

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

In the Matter of:

THE APPLICATION OF)	
APC TOWERS IV, LLC A DELAWARE)	
LIMITED LIABILITY COMPANY)	
AND CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS)	
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC	)	CASE NO.: 2025-00115
CONVENIENCE AND NECESSITY TO CONSTRUCT)	
A WIRELESS COMMUNICATIONS FACILITY)	
IN THE COMMONWEALTH OF KENTUCKY)	
IN THE COUNTY OF LIVINGSTON)	

SITE NAME: EV SMITHLAND SOUTH

* * * * *

**APPLICATION FOR
CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY
FOR CONSTRUCTION OF A WIRELESS COMMUNICATIONS FACILITY**

APC Towers IV, LLC a Delaware limited liability company and Cellco Partnership, a Delaware general partnership, d/b/a Verizon Wireless (“Applicants”), by counsel, pursuant to (i) KRS §§ 278.020, 278.040, 278.650, 278.665, and other statutory authority, and the rules and regulations applicable thereto, and (ii) the Telecommunications Act of 1996, respectfully submit this Application requesting issuance of a Certificate of Public Convenience and Necessity (“CPCN”) from the Kentucky Public Service Commission (“PSC”) to construct, maintain, and operate a Wireless Communications Facility (“WCF”) to serve the customers of Verizon Wireless with wireless communications services.

In support of this Application, Applicants respectfully provide and state the following information:

1. The complete name and address of the Applicants are: APC Towers IV, LLC

a Delaware limited liability company, having an address of 8601 Six Forks Road, Suite 250, Raleigh, NC 27615 and Cellco Partnership d/b/a Verizon Wireless having an address of 2421 Holloway Road, Louisville, Kentucky 40299.

2. Applicants propose construction of an antenna tower for communications services, which is to be located in an area outside the jurisdiction of a planning commission, and Applicants submit this application to the PSC for a certificate of public convenience and necessity pursuant to KRS §§ 278.020(1), 278.040, 278.650, 278.665, and other statutory authority.

3. APC Towers IV, LLC is a limited liability company organized in the State of Delaware. APC Towers IV, LLC's Certificate of Good standing issued by the State of Delaware is attached as part of **Exhibit A** and hereby incorporated by reference. APC Towers IV LLC is in good standing in the state in which it is organized and further states that it is authorized to transact business in Kentucky, and a copy of the Certificate of Authorization issued by the Kentucky Secretary of State is attached as part of **Exhibit A** and is hereby incorporated by reference.

4. Cellco Partnership d/b/a Verizon Wireless is a Delaware general partnership, and a copy of the Statement of Good Standing from Delaware and Certificate of Assumed Name on file with the Kentucky Secretary of State are included as part of **Exhibit A**. Verizon Wireless is in good standing in the state in which they are organized and further state that they are authorized to transact business in Kentucky.

5. Cellco Partnership d/b/a Verizon Wireless operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC

requirements. A copy of Celco Partnership d/b/a Verizon Wireless' FCC applications and licenses to provide wireless services are attached to this Application or described as part of **Exhibit A**, and the facility will be constructed and operated in accordance with applicable FCC regulations.

6. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring or improve wireless services to an area currently not served or not adequately served by increasing coverage or capacity and thereby enhancing the public's access to innovative and competitive wireless communications services. The WCF will provide a necessary link in Verizon Wireless' communications network that is designed to meet the increasing demands for wireless services in Kentucky's wireless communications service area. The WCF is an integral link in Verizon Wireless' network design that must be in place to provide adequate coverage to the service area.

7. To address the above-described service needs, Applicants propose to construct a WCF in a lease area located at Condra Road, Smithland, Kentucky 42081 (37° 05' 47.91" North latitude, 88° 24' 00.36" West longitude), on a parcel of land located entirely within the county referenced in the caption of this application. The property on which the WCF will be located is owned by Danny Joe Wright pursuant to a Deed recorded at Deed Book 271, Page 620 in the office of the County Clerk. The proposed WCF will consist of a 255-foot tall guy-wire tower, with an approximately 5-foot tall lightning arrestor attached at the top, for a total height of 260-feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement of radio electronics equipment and

appurtenant equipment. The equipment cabinet or shelter will be approved for use in the Commonwealth of Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. A description of the manner in which the proposed WCF will be constructed is attached as **Exhibit B** and **Exhibit C**.

8. A list of utilities, corporations, or persons with whom the proposed WCF is likely to compete is attached as **Exhibit D**.

9. The site development plan and a vertical profile sketch of the WCF signed and sealed by a professional engineer registered in Kentucky depicting the tower height, as well as a proposed configuration for the antennas of Verizon Wireless has also been included as part of **Exhibit B**.

10. Foundation design plans signed and sealed by a professional engineer registered in Kentucky and a description of the standards according to which the tower was designed are included as part of **Exhibit C**.

11. Applicants have considered the likely effects of the installation of the proposed WCF on nearby land uses and values and have concluded that there is no more suitable location reasonably available from which adequate services can be provided, and that there are no reasonably available opportunities to co-locate antennas on an existing structure. When suitable towers or structures exist, carriers attempt to co-locate on existing structures such as communications towers or other structures capable of supporting carrier's facilities; however, no other suitable or available co-location site was found to be located in the vicinity of the site.

12. A copy of the application for Determination of No Hazard to Air Navigation

issued by the Federal Aviation Administration ("FAA") for the proposed tower is attached as **Exhibit E**.

13. Documentation confirming that the Kentucky Airport Zoning Commission ("KAZC") has reviewed and approved the proposed construction is attached as **Exhibit F**.

14. A geotechnical engineering firm has performed soil boring(s) and subsequent geotechnical engineering studies at the WCF site. A copy of the geotechnical engineering report, signed and sealed by a professional engineer registered in the Commonwealth of Kentucky, is attached as **Exhibit G**. The name and address of the geotechnical engineering firm and the professional engineer registered in the Commonwealth of Kentucky who supervised the examination of this WCF site are included as part of this exhibit.

15. Clear directions to the proposed WCF site from the County seat are attached as **Exhibit H**. The name and telephone number of the preparer of **Exhibit H** are included as part of this exhibit.

16. APC Towers IV, LLC pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the agreement or an abbreviated agreement recorded with the County Clerk is attached as **Exhibit I**.

17. Personnel directly responsible for the design and construction of the proposed WCF are well qualified and experienced. The tower and foundation drawings for the proposed tower submitted as part of **Exhibit C** bear the signature and stamp of a professional engineer registered in the Commonwealth of Kentucky. All tower designs meet or exceed the minimum requirements of applicable laws and regulations.

18. The Construction Manager for the proposed facility is Daniel J. Kunz and the identity and qualifications of each person directly responsible for design and construction of the proposed tower are contained in **Exhibits B & C**.

19. As noted on the Survey attached as part of **Exhibit B**, the surveyor has determined that the site is not within any flood hazard area.

20. **Exhibit B** includes a map drawn to an appropriate scale that shows the location of the proposed tower and identifies every owner of real estate within 500 feet of the proposed tower (according to the records maintained by the County Property Valuation Administrator). Every structure and every easement within 500 feet of the proposed tower or within 200 feet of the access road including intersection with the public street system is illustrated in **Exhibit B**.

21. Applicants have sent notice to every person who, according to the records of the County Property Valuation Administrator ("PVA"), owns property which is within 500 feet of the proposed tower or contiguous to the site property, by certified mail, return receipt requested, of the proposed construction. Each notified property owner has been provided with a map of the location of the proposed construction, the PSC docket number for this application, the address of the PSC, and has been informed of his or her right to request intervention. A list of the notified property owners and a copy of the form of the notice sent by certified mail to each landowner are attached as **Exhibit J** and **Exhibit K**, respectively.

22. Copies of the Livingston County PVA records obtained prior to mailing (and re-verified on April 24, 2025) and used to generate the notice list are attached as part of **Exhibit J**.

23. Eighteen notice letters were sent to the landowners on the notice list at the mailing addresses shown on the County's PVA records. Copies of the "Certified Mail Receipts" confirming the dates on which the letters were sent are attached as part of **Exhibit J**.

24. To date, sixteen signed United States Postal Service Form 3811 "green cards" have been returned. Copies of the returned "green cards" are attached as a part of **Exhibit J**. One notice letters is marked "Delivered" and one notice letter is marked "Delivery Attempt" according to the United States Postal Service (USPS) tracking data, which is attached as part of **Exhibit J**. There are no unaccountable notices.

25. Applicants have notified the applicable County Judge/Executive by certified mail, return receipt requested, of the proposed construction. This notice included the PSC docket number under which the application will be processed and informed the County Judge/Executive of his right to request intervention. A copy of this notice is attached as **Exhibit L**. A copy of the "Certified Mail Receipt" and a copy of the USPS Form 3811 "green card" for this mailing are also attached as a part of **Exhibit L**.

26. Notice signs meeting the requirements prescribed by 807 KAR 5:063, Section 1(2) that measure at least 2 feet in height and 4 feet in width and that contain all required language in letters of required height, have been posted, one in a visible location on the proposed site and one on the nearest public road. Such signs shall remain posted for at least two weeks after filing of the Application, and a copy of the posted text is attached as **Exhibit M**. A legal notice advertisement regarding the location of the proposed facility has been published in a newspaper of general circulation in the county in which the WCF is

proposed to be located. A tear sheet from the newspaper that includes the notice advertisement and an affidavit from the publisher certifying that the notice advertisement was published are attached as part of **Exhibit M**.

27. The general area where the proposed facility is to be located is rural in character with large parcels located east of the site and residences along a road located west of the site. The site parcel is large with a residence and a barn.

28. The process that was used by Verizon Wireless' radio frequency engineers in selecting the site for the proposed WCF was consistent with the general process used for selecting all other existing and proposed WCF facilities within the proposed network design area. Verizon Wireless' radio frequency engineers have conducted studies and tests in order to develop a highly efficient network that is designed to handle voice and data traffic in the service area. The engineers determined an optimum area for the placement of the proposed facility in terms of elevation and location to provide the best quality service to customers in the service area. A radio frequency design search area prepared in reference to these radio frequency studies was considered by the Applicants when searching for sites for its antennas that would provide the coverage deemed necessary by Verizon Wireless' Radio Frequency Engineers. A map of the area in which the tower is proposed to be located which is drawn to scale and clearly depicts the necessary search area within which the site should be located pursuant to radio frequency requirements is attached as **Exhibit N**.

29. The tower must be located at the proposed location and proposed height to provide necessary service to wireless communications users in the subject area.

30. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

31. All responses and requests associated with this Application may be directed to:

David A. Pike and
F. Keith Brown
Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: dpike@pikelegal.com
kbrown@pikelegal.com

WHEREFORE, Applicants respectfully request that the PSC accept the foregoing Application for filing, and having met the requirements of KRS §§ 278.020(1), 278.650, and 278.665 and all applicable rules and regulations of the PSC, grant a Certificate of Public Convenience and Necessity to construct and operate the WCF at the location set forth herein.

Respectfully submitted,



David A. Pike
And



F. Keith Brown

Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: dpike@pikelegal.com
Email: kbrown@pikelegal.com
Attorneys for Applicants

LIST OF EXHIBITS

- A - Business Entity Documentation & FCC Documentation
- B - Site Development Plan:
 - 500' Vicinity Map
 - Legal Descriptions
 - Flood Plain Certification
 - Site Plan
 - Vertical Tower Profile
- C - Tower and Foundation Design
 - Construction Manager Letter
 - List of Qualified Professionals
 - Tower and Foundation Drawings
- D - Competing Utilities, Corporations, or Persons List
- E - FAA
- F - Kentucky Airport Zoning Commission
- G - Geotechnical Report
- H - Directions to WCF Site
- I - Copy of Real Estate Agreement
- J - Notification Listing, PVA Records & Proof of Notice
- K - Copy of Property Owner Notification
- L - Copy of County Judge/Executive Notice & Proof of Notice
- M - Copy of Posted Notices, Newspaper Notice Advertisement Tear Sheet and Affidavit
- N - Copy of Radio Frequency Design Search Area

EXHIBIT A

**BUSINESS ENTITY DOCUMENTATION
& FCC LICENSE DOCUMENTATION**

Delaware

The First State

Page 1

*I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF
DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT
COPY OF THE CERTIFICATE OF FORMATION OF "APC TOWERS IV, LLC",
FILED IN THIS OFFICE ON THE THIRD DAY OF MARCH, A.D. 2022, AT
10:15 O`CLOCK A.M.*


Jeffrey W. Bullock, Secretary of State

6650861 8100
SR# 20240209212

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 202646764
Date: 01-23-24

CERTIFICATE OF FORMATION

OF

APC TOWERS IV, LLC

This Certificate of Formation of APC Towers IV, LLC has been duly executed and is being filed by the undersigned authorized person for the purpose of forming a limited liability company pursuant to the Delaware Limited Liability Company Act, (6 Del. C. §§18-101, et seq.)

1. Name. The name of the limited liability company formed hereby (the "Company") is APC Towers IV, LLC.

2. Registered Office. The address of the registered office of the Company in the State of Delaware is: Corporation Trust Center, 1209 Orange Street, New Castle County, Wilmington, Delaware 19801.

3. Registered Agent. The name and address of the registered agent for service of process on the Company in the State of Delaware is The Corporation Trust Company, 1209 Orange Street, New Castle County, Wilmington, Delaware 19801.

4. Bankruptcy of a Member. For a period of sixty (60) days following the date on which the Company becomes aware that a bankruptcy petition has been filed by or against any member of the Company, the Company shall have the option to purchase all of such member's interests in the Company, exercisable by delivering written notice of its exercise of such option to such member and, if applicable, to the bankruptcy trustee and, provided that within sixty (60) days after its exercise of such option the Company pays to such member or trustee, as applicable, an amount equal to the capital account balance attributable to such member's interests in the Company (calculated pursuant to the Limited Liability Company Agreement of the Company), such member's interests in the Company automatically shall transfer to and vest in the Company without any further action by the Company and without any action by such member or trustee.

IN WITNESS WHEREOF, the undersigned authorized person has caused this Certificate of Formation to be duly executed as of the 3rd day of March, 2022.

/S/ GARRETT D. EVERS

Garrett D. Evers
Authorized Person

Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "APC TOWERS IV, LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-THIRD DAY OF JANUARY, A.D. 2024.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "APC TOWERS IV, LLC" WAS FORMED ON THE THIRD DAY OF MARCH, A.D. 2022.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL TAXES HAVE BEEN PAID TO DATE.



A handwritten signature in black ink, appearing to read "JBullock", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed.

6650861 8300

SR# 20240209212

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 202646751

Date: 01-23-24

Commonwealth of Kentucky
Michael G. Adams, Secretary of State

Michael G. Adams
Secretary of State
P. O. Box 718
Frankfort, KY 40602-0718
(502) 564-3490
<http://www.sos.ky.gov>

Authentication number: 309767

Visit <https://web.sos.ky.gov/fts/certvalidate.aspx> to authenticate this certificate.

I, Michael G. Adams, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

APC TOWERS IV, LLC

, a limited liability company authorized under the laws of the state of Delaware, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on February 22, 2023.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 14A.6-010 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 22nd day of April, 2024, in the 232nd year of the Commonwealth.



Michael G. Adams

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
309767/1262373

Delaware

The First State

Page 1

*I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF
DELAWARE, DO HEREBY CERTIFY "CELLCO PARTNERSHIP" IS DULY FORMED
UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND
HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS
OF THE TWENTY-SEVENTH DAY OF APRIL, A.D. 2023.*

*AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL TAXES HAVE BEEN
PAID TO DATE.*



A handwritten signature in black ink, appearing to read "JBullock", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed.

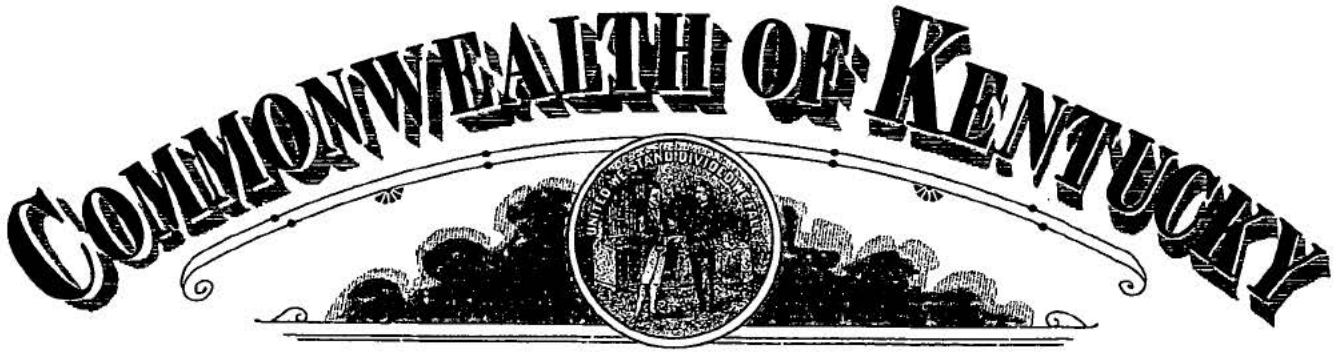
3341134 8300

SR# 20231665976

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 203227418

Date: 04-27-23



Michael G. Adams
Secretary of State

Certificate

I, Michael G. Adams, Secretary of State for the Commonwealth of Kentucky, do hereby certify that the foregoing writing has been carefully compared by me with the original thereof, now in my official custody as Secretary of State and remaining on file in my office, and found to be a true and correct copy of

CERTIFICATE OF ASSUMED NAME OF VERIZON WIRELESS ADOPTED BY
GENERAL PARTNERS OF CELLCO PARTNERSHIP FILED JUNE 21, 2006.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my
Official Seal at Frankfort, Kentucky, this 10th day of May, 2023.



Michael G. Adams

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
kdcoleman/0641227 - Certificate ID: 290787

COMMONWEALTH OF KENTUCKY
TREY GRAYSON
SECRETARY OF STATE



0641227.07

Doornish
CZ26

Trey Grayson
Secretary of State
Received and Filed

06/21/2006 12:06:09 PM
Fee Receipt: \$20.00

CERTIFICATE OF ASSUMED NAME

This certifies that the assumed name of
Verizon Wireless

(Please enter under which the business will be conducted)

has been adopted by See Addendum

(Real name - KRS 363.015(1))

which is the "real name" of (YOU MUST CHECK ONE)

- | | |
|--|---|
| <input type="checkbox"/> a Domestic General Partnership | <input checked="" type="checkbox"/> a Foreign General Partnership |
| <input type="checkbox"/> a Domestic Registered Limited Liability Partnership | <input type="checkbox"/> a Foreign Registered Limited Liability Partnership |
| <input type="checkbox"/> a Domestic Limited Partnership | <input type="checkbox"/> a Foreign Limited Partnership |
| <input type="checkbox"/> a Domestic Business Trust | <input type="checkbox"/> a Foreign Business Trust |
| <input type="checkbox"/> a Domestic Corporation | <input type="checkbox"/> a Foreign Corporation |
| <input type="checkbox"/> a Domestic Limited Liability Company | <input type="checkbox"/> a Foreign Limited Liability Company |
| <input type="checkbox"/> a Joint Venture | |

organized and existing in the state or country of Delaware, and whose address is

One Verizon Way Basking Ridge NJ 07920

Street address, if any

City

State

Zip Code

The certificate of assumed name is executed by

NYNEX PCS Inc.

Jane A. Schepker-Assistant Secretary

Print or type name and title

June 15, 2006

Date

Signature

Print or type name and title

Date

Addendum

The full name of the Partnership is Cellco Partnership; a Delaware general partnership with its headquarters located One Verizon Way, Basking Ridge NJ 07920-1097.

General Partners of Cellco Partnership	Address
Bell Atlantic Cellular Holdings, L.P.	One Verizon Way Basking Ridge, NJ 07920
NYNEX PCS Inc.	One Verizon Way Basking Ridge, NJ 07920
PCSCO Partnership	One Verizon Way Basking Ridge, NJ 07920
GTE Wireless Incorporated	One Verizon Way Basking Ridge, NJ 07920
GTE Wireless of Ohio Incorporated	One Verizon Way Basking Ridge, NJ 07920
PCS Nucleus, L.P.	2999 Oak Road, 7 th Floor Walnut Creek, CA 94597
JV PartnerCo, LLC	2999 Oak Road, 7 th Floor Walnut Creek, CA 94597

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: LICENSING MANAGER
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign KNKN871	File Number 0009611092
Radio Service CL - Cellular	
Market Numer CMA444	Channel Block B
Sub-Market Designator 0	

FCC Registration Number (FRN): 0003290673

Market Name Kentucky 2 - Union				
Grant Date 08-31-2021	Effective Date 08-31-2021	Expiration Date 10-01-2031	Five Yr Build-Out Date	Print Date 08-31-2021

Site Information:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
1	37-30-51.2 N	087-30-18.0 W	139.9	91.4	1030659

Address: 2138 SR 1405
City: SLAUGHTERS **County:** WEBSTER **State:** KY **Construction Deadline:**

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	104.300	99.100	103.400	105.700	89.600	78.600	86.500	103.800
Transmitting ERP (watts)	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN871

File Number: 0009611092

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
2	37-16-53.0 N	087-29-17.0 W	176.8	90.8	1030654

Address: 1369 SAND CUT RD

City: Madisonville County: HOPKINS State: KY Construction Deadline:

Antenna: 5

Maximum Transmitting ERP in Watts: 140.820

	0	45	90	135	180	225	270	315
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	127.800	138.700	133.200	133.500	121.500	113.200	123.000	142.100
Transmitting ERP (watts)	208.970	190.560	12.020	1.000	0.500	0.500	0.630	30.910

Antenna: 6

Maximum Transmitting ERP in Watts: 140.820

	0	45	90	135	180	225	270	315
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	127.800	138.700	133.500	133.500	121.500	113.200	123.000	142.100
Transmitting ERP (watts)	0.500	0.540	19.950	190.560	208.940	20.420	1.070	0.500

Antenna: 7

Maximum Transmitting ERP in Watts: 140.820

	0	45	90	135	180	225	270	315
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	127.800	138.700	133.500	133.500	121.500	113.200	123.000	142.100
Transmitting ERP (watts)	1.000	1.910	1.000	1.000	6.310	213.810	501.220	190.560

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
4	36-57-17.4 N	087-51-07.6 W	172.2	123.1	1030739

Address: (Hopson) RT 4 BOX 58 814999

City: Princeton County: CALDWELL State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

	0	45	90	135	180	225	270	315
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	135.700	130.000	144.600	143.600	151.900	144.500	138.300	138.900
Transmitting ERP (watts)	18.030	88.290	65.450	2.610	0.360	0.200	0.200	0.350

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

	0	45	90	135	180	225	270	315
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	135.700	130.000	144.600	143.600	151.900	144.500	138.300	138.900
Transmitting ERP (watts)	0.420	0.420	2.640	89.540	209.890	79.800	0.420	0.800

Antenna: 4

Maximum Transmitting ERP in Watts: 140.820

	0	45	90	135	180	225	270	315
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	135.700	130.000	144.600	143.600	151.900	144.500	138.300	138.900
Transmitting ERP (watts)	55.210	1.870	1.030	0.840	1.150	19.590	283.140	381.940

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN871

File Number: 0009611092

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
5	37-19-00.3 N	088-04-34.3 W	237.4	90.5	1030656

Address: (Marion) 11 Brairwood Drive

City: Marion County: CRITTENDEN State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	162.700	163.300	176.200	156.900	167.800	184.500	160.300	175.600
Transmitting ERP (watts)	271.010	402.110	56.170	1.380	1.090	1.090	1.090	16.570

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	162.700	163.300	176.200	156.900	167.800	184.500	160.300	175.600
Transmitting ERP (watts)	1.090	1.090	54.770	411.390	270.910	18.590	1.090	1.090

Antenna: 4

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	162.700	163.300	176.200	156.900	167.800	184.500	160.300	175.600
Transmitting ERP (watts)	2.710	0.550	0.550	0.550	2.110	63.550	191.830	63.550

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
8	37-19-19.5 N	087-30-03.8 W	144.5	99.1	1040639

Address: 54 W LAKE ST

City: Madisonville County: HOPKINS State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.900	120.000	110.700	105.000	90.400	94.900	118.300	102.200
Transmitting ERP (watts)	91.200	87.100	85.110	85.110	89.130	87.100	89.130	89.130

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
9	37-39-38.0 N	087-55-11.5 W	153.6	121.9	1030655

Address: (Morganfield) 996 TP LUCKETTE RD

City: Morganfield County: UNION State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	130.600	126.500	124.600	100.000	131.200	122.100	129.400	122.600
Transmitting ERP (watts)	355.170	248.530	31.970	1.840	0.810	0.810	2.870	89.690

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	130.600	126.500	124.600	100.000	131.200	122.100	129.400	122.600
Transmitting ERP (watts)	0.890	27.540	263.030	389.050	97.720	5.890	0.810	0.810

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN871

File Number: 0009611092

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
9	37-39-38.0 N	087-55-11.5 W	153.6	121.9	1030655

Address: (Morganfield) 996 TP LUCKETTE RD

City: Morganfield County: UNION State: KY Construction Deadline:

Antenna: 4

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	130.600	126.500	124.600	100.000	131.200	122.100	129.400	122.600
Transmitting ERP (watts)	0.680	0.680	0.680	2.630	61.490	217.250	146.520	15.150

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
12	37-02-00.0 N	088-22-10.0 W	105.5	106.7	1040303

Address: (Calvert City) 641 Jary Johnson Rd.

City: Calvert City County: MARSHALL State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.900	77.600	88.100	83.000	68.600	85.300	97.900	93.100
Transmitting ERP (watts)	23.380	330.300	378.360	36.130	0.970	0.970	0.970	0.970

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.900	77.600	88.100	83.000	68.600	85.300	97.900	93.100
Transmitting ERP (watts)	0.970	0.970	0.970	14.730	240.930	357.480	49.940	1.230

Antenna: 4

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.900	77.600	88.100	83.000	68.600	85.300	97.900	93.100
Transmitting ERP (watts)	63.740	2.060	0.660	0.660	0.660	4.020	107.530	274.970

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	37-36-46.0 N	087-29-35.0 W	118.0	91.0	1034040

Address: EASTWOOD FERRY ROAD

City: SEBREE County: WEBSTER State: KY Construction Deadline: 02-23-2006

Antenna: 4

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	73.800	88.300	72.700	87.800	81.700	80.900	73.100	79.800
Transmitting ERP (watts)	0.560	0.200	0.200	0.280	2.400	42.760	89.330	12.910

Antenna: 5

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	73.800	88.300	72.700	87.800	81.700	80.900	73.100	79.800
Transmitting ERP (watts)	55.080	0.490	0.200	0.200	0.200	0.200	0.200	39.900

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN871

File Number: 0009611092

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	37-36-46.0 N	087-29-35.0 W	118.0	91.0	1034040

Address: EASTWOOD FERRY ROAD

City: SEBREE County: WEBSTER State: KY Construction Deadline: 02-23-2006

Antenna: 6

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	73.800	88.300	72.700	87.800	81.700	80.900	73.100	79.800
Transmitting ERP (watts)	0.200	0.200	0.200	5.380	97.950	4.910	0.210	0.200

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	36-46-54.2 N	088-03-28.1 W	199.0	126.5	1205551

Address: SR 80/US 68 & Trace

City: Golden Pond County: TRIGG State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	165.000	178.000	160.000	175.000	171.000	167.000	177.000	184.000
Transmitting ERP (watts)	96.610	96.610	96.610	96.610	96.610	96.610	96.610	96.610

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-14-55.1 N	088-20-42.2 W	175.8	108.8	1231318

Address: 738 Mitchell Road

City: Burna County: LIVINGSTON State: KY Construction Deadline: 02-23-2006

Antenna: 4

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.800	144.900	144.500	172.100	154.500	163.300	146.900	139.500
Transmitting ERP (watts)	50.060	6.450	0.130	0.130	0.130	1.990	13.790	50.060

Antenna: 5

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.800	144.900	144.500	172.100	154.500	163.300	146.900	139.500
Transmitting ERP (watts)	4.780	26.880	61.590	32.320	2.880	0.130	0.130	0.600

Antenna: 6

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.800	144.900	144.500	172.100	154.500	163.300	146.900	139.500
Transmitting ERP (watts)	0.130	0.130	0.130	2.750	15.470	52.420	46.720	5.120

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN871

File Number: 0009611092

Print Date: 08-31-2021

Control Points:

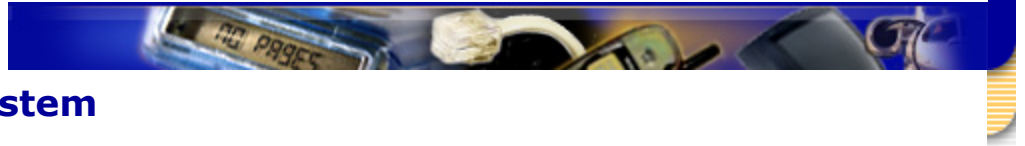
Control Pt. No. 2

Address: 500 West Dove Road

City: Southlake **County:** TARRANT **State:** TX **Telephone Number:** (800)264-6620

Waivers/Conditions:

NONE



Universal Licensing System

[FCC](#) > [WTB](#) > [UL](#) > [Online Systems](#) > Application Search

[FCC Site Map](#)

ULS Application

Cellular - 0009611092 - Cellco Partnership

[? HELP](#)

[New Search](#) [Refine Search](#) [Printable Page](#) [Reference Copy](#)

MAIN

ADMIN

TRANS LOG

SERVICE SPECIFIC

File Number 0009611092 Radio Service CL - Cellular
Call Sign [KNKN871](#) Application Status G - Granted

General Information

Application Purpose RO - Renewal Only

Existing Radio Service

Authorization Type Regular

Emergency STA

Receipt Date 07/06/2021

Action Date 08/31/2021

Entered Date 07/06/2021

Requested Expiration Date

Waiver No

Number of Rules

Attachments No

Grandfathered Privileges No

Application Fee Exempt No

Regulatory Fee Exempt No

Major Request

Use Question

Market Data

Market CMA444 - Kentucky 2 - Union

Channel Block B ([View Frequencies](#))

Submarket Designator 0

Phase 2

Applicant Information

FRN 0003290673
([View Ownership Filing](#))

Type General Partnership

Name Cellco Partnership
5055 North Point Pkwy, NP2NE
Network Engineering
Alpharetta, GA 30022
ATTN Licensing Manager

P:(770)797-1070
F:(770)797-1036
E:LicensingCompliance@VerizonWireless.com

Real Party in Interest

FRN of Real Party in Interest

Name	Verizon Wireless Licensing Manager 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Regulatory	P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
------	---	---

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Race

Ethnicity

Sex

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level

required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.

[Return to the Top](#)

ULS Help

[FAQ](#) [Online Help](#) [Technical Support](#) [Licensing Support](#)

ULS Online Systems

[CORES](#) [ULS Online Filing](#) [License Search](#) [Application Search](#) [Archive License Search](#)

About ULS

[Privacy Statement](#) [About ULS](#) [ULS Home](#)

Basic Search

By File Number



SEARCH

[FCC](#) | [Wireless](#) | [ULS](#) | [CORES](#)

[Help](#) | [Tech Support](#)

Federal Communications Commission
45 L Street NE
Washington, DC 20554

Phone: 1 877 480 3201
ASL Videophone: 1-844-432-2275
[Submit Help Request](#)

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
 CELLCO PARTNERSHIP
 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
 ALPHARETTA, GA 30022

Call Sign KNLG697	File Number 0007639976
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 04-04-2017	Effective Date 04-04-2017	Expiration Date 04-28-2027	Print Date 04-05-2017
Market Number BTA135	Channel Block F	Sub-Market Designator 0	
Market Name Evansville, IN			
1st Build-out Date 04-28-2002	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

This authorization is conditioned upon the full and timely payment of all monies due pursuant to Sections 1.2110 and 24.716 of the Commission's Rules and the terms of the Commission's installment plan as set forth in the Note and Security Agreement executed by the licensee. Failure to comply with this condition will result in the automatic cancellation of this authorization.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNLG697

File Number: 0007639976

Print Date: 04-05-2017

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Reference Copy

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNLG697

File Number: 0007639976

Print Date: 04-05-2017

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------



Universal Licensing System

[FCC](#) > [WTB](#) > [UL](#) > [Online Systems](#) > Application Search

[FCC Site Map](#)

ULS Application

0010812881 - Trace-Tek

[? HELP](#)

[New Search](#) [Refine Search](#) [Printable Page](#) [Reference Copy](#)

MAIN

ADMIN

LEASE INFO

LEASES

DATES

REVENUE

File Number	0010812881	Application Status	G - Granted
Application Purpose	LN - New Lease	Classification of Lease	De Facto Transfer

General Information

Application Purpose	LN - New Lease		
Receipt Date	12/13/2023		
Entered Date	12/13/2023	Action Date	02/24/2024
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I St, NW- Suite 500 East Washington, DC 20005		P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	--	---

Lessee Information

FRN	0030856223 (View Ownership)	Type	Limited Liability Company
-----	--	------	---------------------------

Name	Trace-Tek ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	---	---

Real Party In Interest	Trace-Tek	FRN of Real Party in Interest	0030856223
------------------------	-----------	-------------------------------	------------

Race	Sex
------	-----

Ethnicity

Lessee Contact Information

Name	Trace-Tek Garrett Loo ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	--	---

Lessee Qualifications and Ownership Information

Radio Service
Type

Regulatory Status	Interconnected
-------------------	----------------

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

[Return to the Top](#)

ULS Help

[FAQ](#) - [Online Help](#) - [Technical Support](#) - [Licensing Support](#)

ULS Online Systems

[CORES](#) - [ULS Online Filing](#) - [License Search](#) - [Application Search](#) - [Archive License Search](#)

About ULS

[Privacy Statement](#) - [About ULS](#) - [ULS Home](#)

Basic Search

By File Number



SEARCH

[FCC](#) | [Wireless](#) | [ULS](#) | [CORES](#)

[Help](#) | [Tech Support](#)

Federal Communications Commission
45 L Street NE
Washington, DC 20554

Phone: 1-877-480-3201
ASL Videophone: 1 844 432 2275
[Submit Help Request](#)

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
 CELLCO PARTNERSHIP
 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
 ALPHARETTA, GA 30022

Call Sign KNLH404	File Number
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 04-24-2017	Effective Date 11-30-2017	Expiration Date 04-28-2027	Print Date 01-10-2018
Market Number BTA339	Channel Block D	Sub-Market Designator 0	
Market Name Paducah-Murray-Mayfield, KY			
1st Build-out Date 04-28-2002	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNLH404

File Number:

Print Date: 01-10-2018

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------



Universal Licensing System

[FCC](#) > [WTB](#) > [UL](#) > [Online Systems](#) > Application Search

[FCC Site Map](#)

ULS Application

0009135432 - Verizon Communications Inc.

[? HELP](#)

[New Search](#) [Refine Search](#) [Printable Page](#) [Reference Copy](#)

MAIN

ADMIN

TRANS LOG

TRANSFERS

LICENSES

REVENUE

File Number 0009135432

Application Status Q - Accepted

General Information

Application Purpose TC - Transfer of Control

Receipt Date 07/21/2020

Entered Date 07/21/2020

Action Date 08/13/2020

Waiver No

Number of Rules

Attachments [Yes](#)

Application Fee Exempt No

Waiver/Deferral Fee No

Licensee Information

FRN 0003290673
([View Ownership Filing](#))

Type General Partnership

Name Cellco Partnership
ATTN Regulatory
5055 North Point Pkwy, NP2NE
Engineering
Alpharetta, GA 30022

P:(770)797-1070
E:Licensing.Compliance@verizonwireless.com

Race
Ethnicity

Sex

Licensee Contact Information

Name Verizon
Sarah Trosch
1300 I Street, NW - Suite 500
East
Washington, DC 20005

P:(202)515-2453
E:sarah.trosch@verizon.com

Transferor Information

FRN 0003257094
([View Ownership Filing](#))

Type Corporation

Name Verizon Communications Inc.
ATTN Sarah Trosch

P:(202)515-2453
E:sarah.trosch@verizon.com

1300 I Street, NW - Suite 500
East
Washington, DC 20005

Race
Ethnicity

Sex

Transferor Contact Information

Name	Wilkinson Barker Knauer, LLP ATTN Jennifer L. Kostyu 1800 M. St., NW, Suite 800N Washington, DC 20036	P:(202)783-4141 F:(202)783-5851 E:jkostyu@wbklaw.com
------	--	--

Transferee Information

FRN	0003257094 (View Ownership)	Type	Corporation
Name	Verizon Communications Inc. ATTN Sarah Trosch 1300 I Street, NW - Suite 500 East Washington, DC 20005		P:(202)515-2453 E:sarah.trosch@verizon.com
Real Party In Interest	Cellco Partnership	FRN of Real Party in Interest	0003290673
Race		Sex	
Ethnicity			

Transferee Contact Information

Name	Wilkinson Barker Knauer, LLP ATTN Jennifer L. Kostyu 1800 M. St., NW, Suite 800N Washington, DC 20036	P:(202)783-4141 F:(202)783-5851 E:jkostyu@wbklaw.com
------	--	--

Transferee Qualifications and Ownership Information

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

[Return to the Top](#)

ULS Help

[FAQ](#) [Online Help](#) [Technical Support](#) [Licensing Support](#)

ULS Online Systems

[CORES](#) [ULS Online Filing](#) [License Search](#) [Application Search](#) [Archive License Search](#)

About ULS

[Privacy Statement](#) [About ULS](#) [ULS Home](#)

Basic Search

By File Number



SEARCH

[FCC](#) | [Wireless](#) | [ULS](#) | [CORES](#)

Federal Communications Commission
45 L Street NE
Washington, DC 20554

[Help](#) | [Tech Support](#)

Phone: 1 877 480 3201
ASL Videophone: 1-844-432-2275
[Submit Help Request](#)

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
 CELLCO PARTNERSHIP
 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
 ALPHARETTA, GA 30022

Call Sign WQEM940	File Number 0007057146
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 03-15-2016	Effective Date 11-01-2016	Expiration Date 03-08-2026	Print Date 03-16-2016
Market Number BTA135	Channel Block C	Sub-Market Designator 4	
Market Name Evansville, IN			
1st Build-out Date 03-08-2011	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQEM940

File Number: 0007057146

Print Date: 03-16-2016

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------



Universal Licensing System

[FCC](#) > [WTB](#) > [UL](#) > [Online Systems](#) > Application Search

[FCC Site Map](#)

ULS Application

0010812881 - Trace-Tek

[? HELP](#)

[New Search](#) [Refine Search](#) [Printable Page](#) [Reference Copy](#)

MAIN

ADMIN

LEASE INFO

LEASES

DATES

REVENUE

File Number	0010812881	Application Status	G - Granted
Application Purpose	LN - New Lease	Classification of Lease	De Facto Transfer

General Information

Application Purpose	LN - New Lease		
Receipt Date	12/13/2023		
Entered Date	12/13/2023	Action Date	02/24/2024
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I St, NW- Suite 500 East Washington, DC 20005		P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	--	---

Lessee Information

FRN	0030856223 (View Ownership)	Type	Limited Liability Company
-----	--	------	---------------------------

Name	Trace-Tek ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	---	---

Real Party In Interest	Trace-Tek	FRN of Real Party in Interest	0030856223
------------------------	-----------	-------------------------------	------------

Race	Sex
------	-----

Ethnicity

Lessee Contact Information

Name	Trace-Tek Garrett Loo ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	--	---

Lessee Qualifications and Ownership Information

Radio Service
Type

Regulatory Status	Interconnected
-------------------	----------------

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

[Return to the Top](#)

ULS Help

[FAQ](#) - [Online Help](#) - [Technical Support](#) - [Licensing Support](#)

ULS Online Systems

[CORES](#) - [ULS Online Filing](#) - [License Search](#) - [Application Search](#) - [Archive License Search](#)

About ULS

[Privacy Statement](#) - [About ULS](#) - [ULS Home](#)

Basic Search

By File Number



SEARCH

[FCC](#) | [Wireless](#) | [ULS](#) | [CORES](#)

[Help](#) | [Tech Support](#)

Federal Communications Commission
45 L Street NE
Washington, DC 20554

Phone: 1-877-480-3201
ASL Videophone: 1 844 432 2275
[Submit Help Request](#)

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WQGA718	File Number 0009793647
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 02-22-2022	Effective Date 02-22-2022	Expiration Date 11-29-2036	Print Date 02-23-2022
Market Number REA004	Channel Block F	Sub-Market Designator 15	
Market Name Mississippi Valley			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGA718

File Number: 0009793647

Print Date: 02-23-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------



Universal Licensing System

[FCC](#) > [WTB](#) > [UL](#) > [Online Systems](#) > Application Search

[FCC Site Map](#)

ULS Application

001116303 - Trace-Tek

[? HELP](#)

[New Search](#) [Refine Search](#) [Printable Page](#) [Reference Copy](#)

MAIN

ADMIN

LEASE INFO

LEASES

DATES

REVENUE

File Number	001116303	Application Status	G - Granted
Application Purpose	LN - New Lease	Classification of Lease	De Facto Transfer

General Information

Application Purpose	LN - New Lease		
Receipt Date	06/13/2024		
Entered Date	06/13/2024	Action Date	10/01/2024
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Network Engineering 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I St, NW- Suite 500 East Washington, DC 20005		P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	--	---

Lessee Information

FRN	0030856223 (View Ownership)	Type	Limited Liability Company
-----	--	------	---------------------------

Name	Trace-Tek ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	---	---

Real Party In Interest	Trace-Tek	FRN of Real Party in Interest	0030856223
------------------------	-----------	-------------------------------	------------

Race	Sex
------	-----

Ethnicity

Lessee Contact Information

Name	Trace-Tek Garrett Loo ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	--	---

Lessee Qualifications and Ownership Information

Radio Service
Type

Regulatory Status	Interconnected
-------------------	----------------

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

[Return to the Top](#)

ULS Help

[FAQ](#) - [Online Help](#) - [Technical Support](#) - [Licensing Support](#)

ULS Online Systems

[CORES](#) - [ULS Online Filing](#) - [License Search](#) - [Application Search](#) - [Archive License Search](#)

About ULS

[Privacy Statement](#) - [About ULS](#) - [ULS Home](#)

Basic Search

By File Number



SEARCH

[FCC](#) | [Wireless](#) | [ULS](#) | [CORES](#)

[Help](#) | [Tech Support](#)

Federal Communications Commission
45 L Street NE
Washington, DC 20554

Phone: 1-877-480-3201
ASL Videophone: 1 844 432 2275
[Submit Help Request](#)

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.

**Federal Communications Commission
Wireless Telecommunications Bureau****RADIO STATION AUTHORIZATION****LICENSEE: CELLCO PARTNERSHIP**

CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign	File Number
WQGA957	0009775566
Radio Service	
AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 12-21-2021	Effective Date 12-21-2021	Expiration Date 11-29-2036	Print Date 12-21-2021
Market Number BEA069	Channel Block B		Sub-Market Designator 0
Market Name Evansville-Henderson, IN-KY-IL			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGA957

File Number: 0009775566

Print Date: 12-21-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------



Universal Licensing System

[FCC](#) > [WTB](#) > [UL](#) > [Online Systems](#) > Application Search[FCC Site Map](#)

ULS Application

0010812881 - Trace-Tek

[? HELP](#)[New Search](#) [Refine Search](#) [Printable Page](#) [Reference Copy](#)**MAIN****ADMIN****LEASE INFO****LEASES****DATES****REVENUE**

File Number	0010812881	Application Status	G - Granted
Application Purpose	LN - New Lease	Classification of Lease	De Facto Transfer

General Information

Application Purpose	LN - New Lease		
Receipt Date	12/13/2023		
Entered Date	12/13/2023	Action Date	02/24/2024
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I St, NW- Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	---

Lessee Information

FRN	0030856223 (View Ownership)	Type	Limited Liability Company
-----	--	------	---------------------------

Name	Trace-Tek ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	---	---

Real Party In Interest	Trace-Tek	FRN of Real Party in Interest	0030856223
------------------------	-----------	-------------------------------	------------

Race	Sex
------	-----

Ethnicity

Lessee Contact Information

Name	Trace-Tek Garrett Loo ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	--	---

Lessee Qualifications and Ownership Information

Radio Service
Type

Regulatory Status	Interconnected
-------------------	----------------

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

[Return to the Top](#)

ULS Help

[FAQ](#) - [Online Help](#) - [Technical Support](#) - [Licensing Support](#)

ULS Online Systems

[CORES](#) - [ULS Online Filing](#) - [License Search](#) - [Application Search](#) - [Archive License Search](#)

About ULS

[Privacy Statement](#) - [About ULS](#) - [ULS Home](#)

Basic Search

By File Number



SEARCH

[FCC](#) | [Wireless](#) | [ULS](#) | [CORES](#)

[Help](#) | [Tech Support](#)

Federal Communications Commission
45 L Street NE
Washington, DC 20554

Phone: 1-877-480-3201
ASL Videophone: 1 844 432 2275
[Submit Help Request](#)

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

CELLCO PARTNERSHIP
 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
 ALPHARETTA, GA 30022

Call Sign WQGA960	File Number 0009775572
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 01-03-2022	Effective Date 01-03-2022	Expiration Date 11-29-2036	Print Date 01-05-2022
Market Number BEA072	Channel Block B	Sub-Market Designator 0	
Market Name Paducah, KY-IL			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

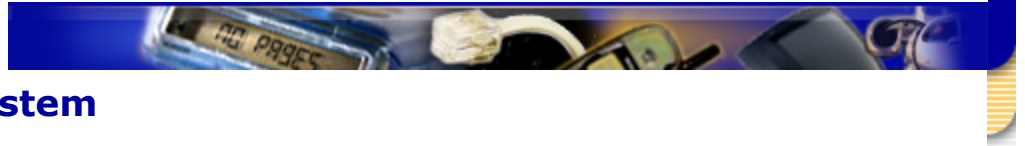
Call Sign: WQGA960

File Number: 0009775572

Print Date: 01-05-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------



Universal Licensing System

[FCC](#) > [WTB](#) > [UL](#) > [Online Systems](#) > Application Search[FCC Site Map](#)

ULS Application

AWS (1710-1755 MHz and 2110-2155 MHz) - 0009775572 - Cellco Partnership

[? HELP](#)[New Search](#) [Refine Search](#) [Printable Page](#) [Reference Copy](#)**MAIN****ADMIN****TRANS LOG**

File Number	0009775572	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Call Sign	WQGA960	Application Status	G - Granted

General Information

Application Purpose	RO - Renewal Only
---------------------	-------------------

Existing Radio Service	
------------------------	--

Authorization Type	Regular
--------------------	---------

Emergency STA	
---------------	--

Receipt Date	10/26/2021
--------------	------------

Action Date	01/03/2022
-------------	------------

Entered Date	10/26/2021
--------------	------------

Requested Expiration Date	
---------------------------	--

Waiver	No
--------	----

Number of Rules	
-----------------	--

Attachments	Yes
-------------	---------------------

Grandfathered Privileges	No
--------------------------	----

Application Fee Exempt	No
------------------------	----

Regulatory Fee Exempt	No
-----------------------	----

Major Request	
---------------	--

Use Question	
--------------	--

Market Data

Market	BEA072 - Paducah, KY-IL
--------	-------------------------

Channel Block	B
---------------	---

Submarket Designator	0
----------------------	---

Associated Frequencies (MHz)	001720.00000000- 001730.00000000 002120.00000000- 002130.00000000
------------------------------	--

Applicant Information

FRN	0003290673 (View Ownership Filing)
-----	---

Type	General Partnership
------	---------------------

Name	Cellco Partnership 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022
------	---

P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com

Real Party in
Interest

FRN of Real
Party in
Interest

Contact Information

Name	Cellco Partnership Licensing Manager 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022	P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
------	--	---

Qualifications, Ownership

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

Demographics

Race	
Ethnicity	Sex

Additional Certifications

Operation/Performance Requirement Certification

For a site-based license

Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).

For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.

For a geographic license, private systems - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.

[Return to the Top](#)

ULS Help

[FAQ](#) - [Online Help](#) - [Technical Support](#) - [Licensing Support](#)

ULS Online Systems

[CORES](#) - [ULS Online Filing](#) - [License Search](#) - [Application Search](#) - [Archive License Search](#)

About ULS

[Privacy Statement](#) - [About ULS](#) - [ULS Home](#)

Basic Search

By File Number



SEARCH

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

CELLCO PARTNERSHIP
 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
 ALPHARETTA, GA 30022

Call Sign WQGD474	File Number 0009787546
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 02-09-2022	Effective Date 02-09-2022	Expiration Date 12-18-2036	Print Date 02-10-2022
Market Number BEA096	Channel Block C	Sub-Market Designator 0	
Market Name St. Louis, MO-IL			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGD474

File Number: 0009787546

Print Date: 02-10-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------



Universal Licensing System

[FCC](#) > [WTB](#) > [UL](#) > [Online Systems](#) > Application Search

[FCC Site Map](#)

ULS Application

AWS (1710-1755 MHz and 2110-2155 MHz) - 0009787546 - Cellco Partnership

[? HELP](#)

[New Search](#) [Refine Search](#) [Printable Page](#) [Reference Copy](#)

MAIN

ADMIN

TRANS LOG

File Number	0009787546	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Call Sign	WQGD474	Application Status	G - Granted

General Information

Application Purpose RO - Renewal Only

Existing Radio Service

Authorization Type Regular

Emergency STA

Receipt Date 11/05/2021

Action Date 02/09/2022

Entered Date 11/05/2021

Requested Expiration Date

Waiver No

Number of Rules

Attachments [Yes](#)

Grandfathered Privileges No

Application Fee Exempt No

Regulatory Fee Exempt No

Major Request

Use Question

Market Data

Market BEA096 - St. Louis, MO-IL

Channel Block C

Submarket Designator 0

Associated Frequencies (MHz)
001730.00000000-
001735.00000000
002130.00000000-
002135.00000000

Applicant Information

FRN 0003290673
([View Ownership Filing](#))

Type

General Partnership

Name Cellco Partnership
5055 North Point Pkwy, NP2NE
Network Engineering
Alpharetta, GA 30022

P:(770)797-1070
F:(770)797-1036
E:licensingcompliance@verizonwireless.com

FRN of Real
Party in
Interest

Name	Cellco Partnership Licensing Manager 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022	P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
------	--	---

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

Race

Ethnicity

Sex

Operation/Performance Requirement Certification

Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.

For a geographic license, private systems - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.

[Return to the Top](#)

ULS Help

[FAQ](#) - [Online Help](#) - [Technical Support](#) - [Licensing Support](#)

ULS Online Systems

[CORES](#) - [ULS Online Filing](#) - [License Search](#) - [Application Search](#) - [Archive License Search](#)

About ULS

[Privacy Statement](#) - [About ULS](#) - [ULS Home](#)

Basic Search

By File Number



SEARCH

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign WQGD606	File Number 0009565676
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 12-16-2021	Effective Date 12-16-2021	Expiration Date 12-18-2036	Print Date 07-09-2022
Market Number BEA072	Channel Block C	Sub-Market Designator 0	
Market Name Paducah, KY-IL			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGD606

File Number: 0009565676

Print Date: 07-09-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------



Universal Licensing System

[FCC](#) > [WTB](#) > [UL](#) > [Online Systems](#) > Application Search

[FCC Site Map](#)

ULS Application

0010093348 - Cellco Partnership

HELP

[New Search](#) [Refine Search](#) [Printable Page](#) [Reference Copy](#)

MAIN

ADMIN

TRANS LOG

NOTIFICATION

File Number 0010093348

Application Status Q - Accepted

General Information

Application Purpose NT - Required Notification

Existing Radio Service

Authorization Type

Emergency STA

Receipt Date 06/16/2022

Action Date 06/17/2022

Entered Date 06/16/2022

Requested Expiration Date

Waiver No

Number of Rules

Attachments

Grandfathered Privileges

Application Fee Exempt No

Regulatory Fee Exempt

Major Request

Applicant Information

FRN 0003290673
([View Ownership Filing](#))

Type General Partnership

Name Cellco Partnership
5055 North Point Pkwy, NP2NE
Engineering
Alpharetta, GA 30022
ATTN Regulatory

P:(770)797-1070
E:Licensing.Compliance@verizonwireless.com

Real Party in Interest

FRN of Real Party in Interest

Contact Information

Name Verizon
Sarah Trosch
1300 I Street, NW - Suite 500 East
Washington, DC 20005

P:(202)515-2453
E:sarah.trosch@verizon.com

[Return to the Top](#)

ULS Help

[FAQ](#) [Online Help](#) [Technical Support](#) [Licensing Support](#)

ULS Online Systems

[CORES](#) [ULS Online Filing](#) [License Search](#) [Application Search](#) [Archive License Search](#)

About ULS

[Privacy Statement](#) [About ULS](#) [ULS Home](#)

Basic Search

By File Number



SEARCH

[FCC](#) | [Wireless](#) | [ULS](#) | [CORES](#)

[Help](#) | [Tech Support](#)

Federal Communications Commission
45 L Street NE
Washington, DC 20554

Phone: 1 877 480 3201
ASL Videophone: 1-844-432-2275
[Submit Help Request](#)

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: LICENSING MANAGER
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WQGV763	File Number 0009905996
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 04-05-2022	Effective Date 04-05-2022	Expiration Date 04-30-2037	Print Date 04-05-2022
Market Number BEA096	Channel Block B	Sub-Market Designator 0	
Market Name St. Louis, MO-IL			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGV763

File Number: 0009905996

Print Date: 04-05-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------



Universal Licensing System

[FCC](#) > [WTB](#) > [UL](#) > [Online Systems](#) > Application Search[FCC Site Map](#)

ULS Application

0010157192 - Illinois RSA 6 and 7 Limited Partnership

[? HELP](#)[New Search](#) [Refine Search](#) [Printable Page](#) [Reference Copy](#)**MAIN****ADMIN****LEASE INFO****LEASES****DATES****REVENUE**

File Number	0010157192	Application Status	Q - Accepted
Application Purpose	LN - New Lease	Classification of Lease	Spectrum Manager

General Information

Application Purpose	LN - New Lease		
Receipt Date	08/08/2022		
Entered Date	08/08/2022	Action Date	12/03/2022
Waiver	Yes	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I St NW - Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	---

Lessee Information

FRN	0002842334 (View Ownership)	Type	Limited Partnership
-----	--	------	---------------------

Name	Illinois RSA 6 and 7 Limited Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022	P:(770)797-1070 E:licensingcompliance@verizonwireless.com
------	--	--

Real Party In Interest	Cellco Partnership	FRN of Real Party in Interest	0003290673
Race		Sex	
Ethnicity			

Lessee Contact Information

Name	Verizon Sarah Trosch 1300 I St Nw - Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	---

Lessee Qualifications and Ownership Information

Radio Service
Type

Regulatory Status Interconnected

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

[Return to the Top](#)

ULS Help

[FAQ](#) [Online Help](#) [Technical Support](#) [Licensing Support](#)

ULS Online Systems

[CORES](#) [ULS Online Filing](#) [License Search](#) [Application Search](#) [Archive License Search](#)

About ULS

[Privacy Statement](#) [About ULS](#) [ULS Home](#)

Basic Search

By File Number



SEARCH

[FCC](#) | [Wireless](#) | [ULS](#) | [CORES](#)

[Help](#) | [Tech Support](#)

Federal Communications Commission
45 L Street NE
Washington, DC 20554

Phone: 1 877 480 3201
ASL Videophone: 1-844-432-2275
[Submit Help Request](#)

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
 CELLCO PARTNERSHIP
 5055 NORTH POINT PKWY, NP2NE ENGINEERING
 ALPHARETTA, GA 30022

Call Sign WQHG455	File Number 0009041605
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 06-30-2017	Effective Date 05-29-2020	Expiration Date 07-23-2027	Print Date 08-12-2020
Market Number BTA135	Channel Block C	Sub-Market Designator 5	
Market Name Evansville, IN			
1st Build-out Date 07-23-2012	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQHG455

File Number: 0009041605

Print Date: 08-12-2020

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------



Universal Licensing System

[FCC](#) > [WTB](#) > [UL](#) > [Online Systems](#) > Application Search

[FCC Site Map](#)

ULS Application

0010812881 - Trace-Tek

[? HELP](#)

[New Search](#) [Refine Search](#) [Printable Page](#) [Reference Copy](#)

MAIN

ADMIN

LEASE INFO

LEASES

DATES

REVENUE

File Number	0010812881	Application Status	G - Granted
Application Purpose	LN - New Lease	Classification of Lease	De Facto Transfer

General Information

Application Purpose	LN - New Lease		
Receipt Date	12/13/2023		
Entered Date	12/13/2023	Action Date	02/24/2024
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I St, NW- Suite 500 East Washington, DC 20005		P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	--	---

Lessee Information

FRN	0030856223 (View Ownership)	Type	Limited Liability Company
-----	--	------	---------------------------

Name	Trace-Tek ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	---	---

Real Party In Interest	Trace-Tek	FRN of Real Party in Interest	0030856223
------------------------	-----------	-------------------------------	------------

Race	Sex
------	-----

Ethnicity

Lessee Contact Information

Name	Trace-Tek Garrett Loo ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	--	---

Lessee Qualifications and Ownership Information

Radio Service
Type

Regulatory Status	Interconnected
-------------------	----------------

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

[Return to the Top](#)

ULS Help

[FAQ](#) - [Online Help](#) - [Technical Support](#) - [Licensing Support](#)

ULS Online Systems

[CORES](#) - [ULS Online Filing](#) - [License Search](#) - [Application Search](#) - [Archive License Search](#)

About ULS

[Privacy Statement](#) - [About ULS](#) - [ULS Home](#)

Basic Search

By File Number



SEARCH

[FCC](#) | [Wireless](#) | [ULS](#) | [CORES](#)

[Help](#) | [Tech Support](#)

Federal Communications Commission
45 L Street NE
Washington, DC 20554

Phone: 1-877-480-3201
ASL Videophone: 1 844 432 2275
[Submit Help Request](#)

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
 CELLCO PARTNERSHIP
 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
 ALPHARETTA, GA 30022

Call Sign WQJQ692	File Number 0008587218
Radio Service WU - 700 MHz Upper Band (Block C)	

FCC Registration Number (FRN): 0003290673

Grant Date 01-10-2020	Effective Date 02-03-2025	Expiration Date 06-13-2029	Print Date 01-14-2020
Market Number REA004	Channel Block C	Sub-Market Designator 0	
Market Name Mississippi Valley			
1st Build-out Date 06-13-2013	2nd Build-out Date 06-13-2019	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

If the facilities authorized herein are used to provide broadcast operations, whether exclusively or in combination with other services, the licensee must seek renewal of the license either within eight years from the commencement of the broadcast service or within the term of the license had the broadcast service not been provided, whichever period is shorter in length. See 47 CFR §27.13(b).

This authorization is conditioned upon compliance with section 27.16 of the Commission's rules

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

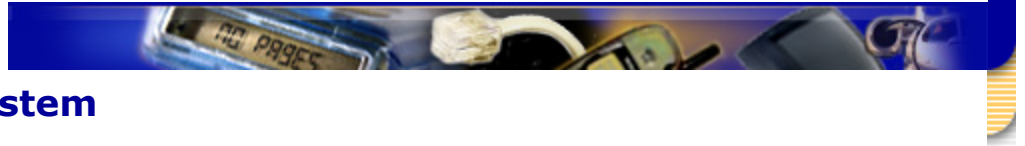
Call Sign: WQJQ692

File Number: 0008587218

Print Date: 01-14-2020

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------



Universal Licensing System

[FCC](#) > [WTB](#) > [UL](#) > [Online Systems](#) > Application Search[FCC Site Map](#)

ULS Application

700 MHz Upper Band (Block C) - 0010612840 - Cellco Partnership

[? HELP](#)[New Search](#) [Refine Search](#) [Printable Page](#) [Reference Copy](#)**MAIN****ADMIN****TRANS LOG****LOCATIONS**

File Number	0010612840	Radio Service	WU - 700 MHz Upper Band (Block C)
Call Sign	WQJQ692	Application Status	G - Granted
General Information			
Application Purpose	AM - Amendment	Original Application Purpose	MD - Modification
Existing Radio Service			See Full Filing History
Authorization Type	Regular	Emergency STA	
Receipt Date	01/29/2025	Action Date	02/03/2025
Entered Date	01/29/2025	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments	Yes	Grandfathered Privileges	No
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			

Market Data

Market	REA004 - Mississippi Valley	Channel Block	C
Submarket Designator	0	Associated Frequencies (MHz)	000746.00000000- 000757.00000000- 000776.00000000- 000787.00000000

Applicant Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Regulatory		P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com

FRN of Real
Party in
Interest

Name	Verizon Wireless Licensing Manager 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Regulatory	P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
------	---	---

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Race

Ethnicity

Sex

By File Number

Phone: 1 877 480 3201
ASL Videophone: 1-844-432-2275
[Submit](#) [Help](#) [Request](#)

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

CELLCO PARTNERSHIP
 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
 ALPHARETTA, GA 30022

Call Sign WQWY363	File Number 0009762545
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 12-14-2021	Effective Date 12-14-2021	Expiration Date 11-29-2036	Print Date 12-14-2021
Market Number REA004	Channel Block D	Sub-Market Designator 16	
Market Name Mississippi Valley			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQWY363

File Number: 0009762545

Print Date: 12-14-2021

The license is subject to compliance with the provisions of the January 12, 2001 Agreement between Deutsche Telekom AG, VoiceStream Wireless Corporation, VoiceStream Wireless Holding Corporation and the Department of Justice (DOJ) and the Federal Bureau of Investigation (FBI), which addresses national security, law enforcement, and public safety issues of the FBI and the DOJ regarding the authority granted by this license. Nothing in the Agreement is intended to limit any obligation imposed by Federal law or regulation including, but not limited to, 47 U.S.C. Section 222(a) and (c)(1) and the FCC's implementing regulations. The Agreement is published at VoiceStream-DT Order, IB Docket No. 00-187, FCC 01-142, 16 FCC Rcd 9779, 9853 (2001).

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQWY363

File Number: 0009762545

Print Date: 12-14-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------



Universal Licensing System

[FCC](#) > [WTB](#) > [UL](#) > [Online Systems](#) > Application Search

[FCC Site Map](#)

ULS Application

AWS (1710-1755 MHz and 2110-2155 MHz) - 0009762545 - Cellco Partnership

[? HELP](#)

[New Search](#) [Refine Search](#) [Printable Page](#) [Reference Copy](#)

MAIN

ADMIN

TRANS LOG

File Number	0009762545	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Call Sign	WQWY363	Application Status	G - Granted

General Information

Application Purpose	RO - Renewal Only	Emergency STA	
Existing Radio Service		Action Date	12/14/2021
Authorization Type	Regular	Requested Expiration Date	
Receipt Date	10/21/2021	Number of Rules	
Entered Date	10/21/2021	Grandfathered Privileges	No
Waiver	No	Regulatory Fee Exempt	No
Attachments	Yes		
Application Fee Exempt	No		
Major Request			
Use Question			

Market Data

Market	REA004 - Mississippi Valley	Channel Block	D
Submarket Designator	16	Associated Frequencies (MHz)	001735.00000000- 001740.00000000- 002135.00000000- 002140.00000000

Applicant Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022		P:(770)797-1070 F:(770)797-1036 E:licensingcompliance@verizonwireless.com

Real Party in
Interest

FRN of Real
Party in
Interest

Contact Information

Name	Verizon Wireless Licensing Manager 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022	P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
------	--	---

Qualifications, Ownership

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

Demographics

Race	
Ethnicity	Sex

Additional Certifications

Operation/Performance Requirement Certification

For a site-based license

Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).

For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.

For a geographic license, private systems - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.

[Return to the Top](#)

ULS Help

[FAQ](#) - [Online Help](#) - [Technical Support](#) - [Licensing Support](#)

ULS Online Systems

[CORES](#) - [ULS Online Filing](#) - [License Search](#) - [Application Search](#) - [Archive License Search](#)

About ULS

[Privacy Statement](#) - [About ULS](#) - [ULS Home](#)

Basic Search

By File Number



SEARCH

EXHIBIT B

**SITE DEVELOPMENT PLAN:
500' VICINITY MAP
LEGAL DESCRIPTIONS
FLOOD PLAIN CERTIFICATION
SITE PLAN
VERTICAL TOWER PROFILE**



8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615

TOWER OWNER
APC TOWERS
JONATHAN GREENE
RALEIGH, NC 27615
PH: (704) 724-8382
EMAIL: JGREENE@APCTOWERS.COM

PROPERTY OWNER
DANNY JOE WRIGHT
SMITHLAND, KY 42081

POLICE DEPARTMENT
LIVINGSTON COUNTY SHERIFF
321 COURT STREET
SMITHLAND, KY 42081
PH: (270) 928-2122

FIRE DEPARTMENT
SMITHLAND FIRE & RESCUE
119 WILSON AVENUE
SMITHLAND, KY 42081
PH: (270) 938-3559

TOWER OWNER LEASE AREA
80'x80'
(10,000 SQ. FT.)

VERIZON LEASE AREA
30'x12'
(360 SQ. FT.)

PROJECT TOTAL DISTURBED AREA

FENCE COMPOUND: 4096 SQ FT (0.094 AC)
ACCESS DRIVE: 5459 SQ FT (0.125 AC)
GUY ANCHOR: 1620 SQ FT (0.037 AC)
GROSS AREA: 11175 SQ FT (0.256 AC)

SITE COORDINATES AND ELEVATION

LATITUDE - N37° 05' 47.91" / 37.09664
LONGITUDE - W088° 24' 00.36" / -88.4001
(NAD 83)
GROUND ELEVATION - ±425' AMSL
(NAVD 88)

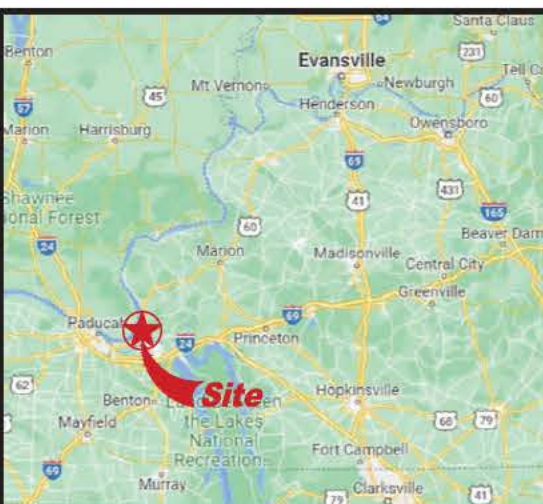
PROJECT SUMMARY

SITE ACQUISITION
PYRAMID NETWORK SERVICES
JOHN MARCELLETTI
E. SYRACUSE, NY 13057
PH: (260) 235-1022
EMAIL: JMARCELLETTI@PYRAMIDNS.COM

DESIGN ENGINEERING
MISSION 1 COMMUNICATIONS
DONALD HOEFELMEYER
FORT WAYNE, IN 46804
PH: (260) 436-3922
EMAIL: DHOEFELMEYER@M1COMM.COM

SURVEYOR
BENCHMARK SERVICES, INC.
RALPH WALLEN
HUNTINGBURG, IN 47542
PH: (812) 683-3049
EMAIL: BENCHMARK@MW.TWCBC.COM

UTILITIES - ELECTRIC
JACKSON PURCHASE ENERGY
PADUCAH, KY 42001
PH: (270) 442-7321
EMAIL:



VICINITY MAP

VICINITY MAP PROVIDED BY BING MAPS



LOCATION MAP

LOCATION MAP PROVIDED BY BING MAPS



AERIAL MAP

AERIAL MAP PROVIDED BY GOOGLE EARTH

NEW 255' GUYED
W/ 5' LIGHTNING ROD
TOTAL TOWER HEIGHT 260"
VERIZON ANTENNA C.L. 250'

CELLCO PARTNERSHIP
d/b/a VERIZON WIRELESS
EV SMITHLAND SOUTH
SPM PROJECT No. 17314189

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

BUILDING CODE 2018 KENTUCKY BUILDING CODE
STRUCTURAL CODE TIA/EIA-222 - REVISION H
MECHANICAL CODE 2012 INTERNATIONAL MECHANICAL CODE (IMC 2012)
PLUMBING CODE KENTUCKY STATE PLUMBING CODE (815 KAR CHAP. 20)
ELECTRICAL CODE 2017 NATIONAL ELECTRICAL CODE (NEC) - NFPA 70-2008
FIRE/LIFE SAFETY CODE 2012 INTERNATIONAL FIRE CODE (2012 IFC)
ENERGY CODE 2012 INTERNATIONAL ENERGY CODE (COMMERCIAL)
FUEL GAS CODE 2009 NATIONAL FUEL GAS CODE (NFPA 54)

ACCESSIBILITY REQUIREMENTS

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2009 IBC BUILDING CODE.

NO WATER SEWER SERVICES TO/FROM THE SITE

APPLICABLE CODES

BEGINNING AT THE LIVINGSTON COUNTY COUNTY SEAT, SMITHLAND, KY, INTERSECTION OF COURT STREET AND US-60:

US-60 SOUTHWEST 3.1 MILE
ARMSTRONG ROAD, TURN LEFT (EAST) 0.1 MILE
CONDRA ROAD, CONTINUE STRAIGHT (EAST) 70 FEET

TO THE SITE ENTRANCE ON LEFT, (NORTH) SIDE OF THE ROAD

SITE ENTRANCE LAT-LON: N37° 05' 44.65" / 37.09573
W088° 24' 03.75" / -88.40104

DIRECTIONS TO SITE

KY-1824 EV SMITHLAND SOUTH CELL SITE CONDRA ROAD SMITHLAND, KY 42081 LIVINGSTON COUNTY

DRAWING INDEX

T-1 PROJECT INFORMATION, LOCATION MAPS, AND DRAWING INDEX

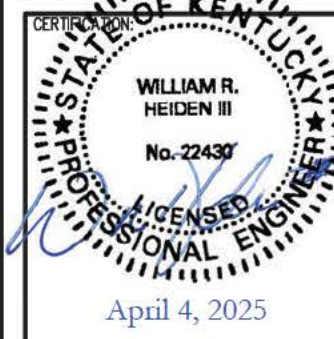
1 of 3 SURVEY PLAN
2 of 3 SURVEY PLAN
3 of 3 SURVEY PLAN

C-1 OVERALL SITE PLAN w/ AERIAL OVERLAY
C-1A OVERALL SITE PLAN w/ TOWER DISTANCES TO PROPERTY LINES
C-1B OVERALL SITE PLAN w/ TOWER DISTANCES TO RESIDENTIAL STRUCTURES
C-1C TOWER AND ACCESS EASEMENT BUFFER MAP
C-1D ADJOINING PROPERTY MAP
C-1E ADJOINING PROPERTY MAP
C-2 DETAILED SITE PLAN
C-2A DETAILED SITE PLAN
C-3 DIMENSIONED SITE PLAN

D-1 VERIZON EQUIPMENT PAD AND CANOPY ELEVATIONS

TE-1 TOWER ELEVATION, NOTES AND DETAILS

Z-1 LIKE FACILITIES GRID MAP



RELEASE	DATE
08-26-2024	LEASE EXHIBIT
03-31-2025	ZONING DRAWINGS

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

SITE NAME:

KY-1824
EV SMITHLAND
SOUTH
CELL SITE

SITE ADDRESS:

CONDRA ROAD
SMITHLAND, KY 42081

SHEET TITLE:

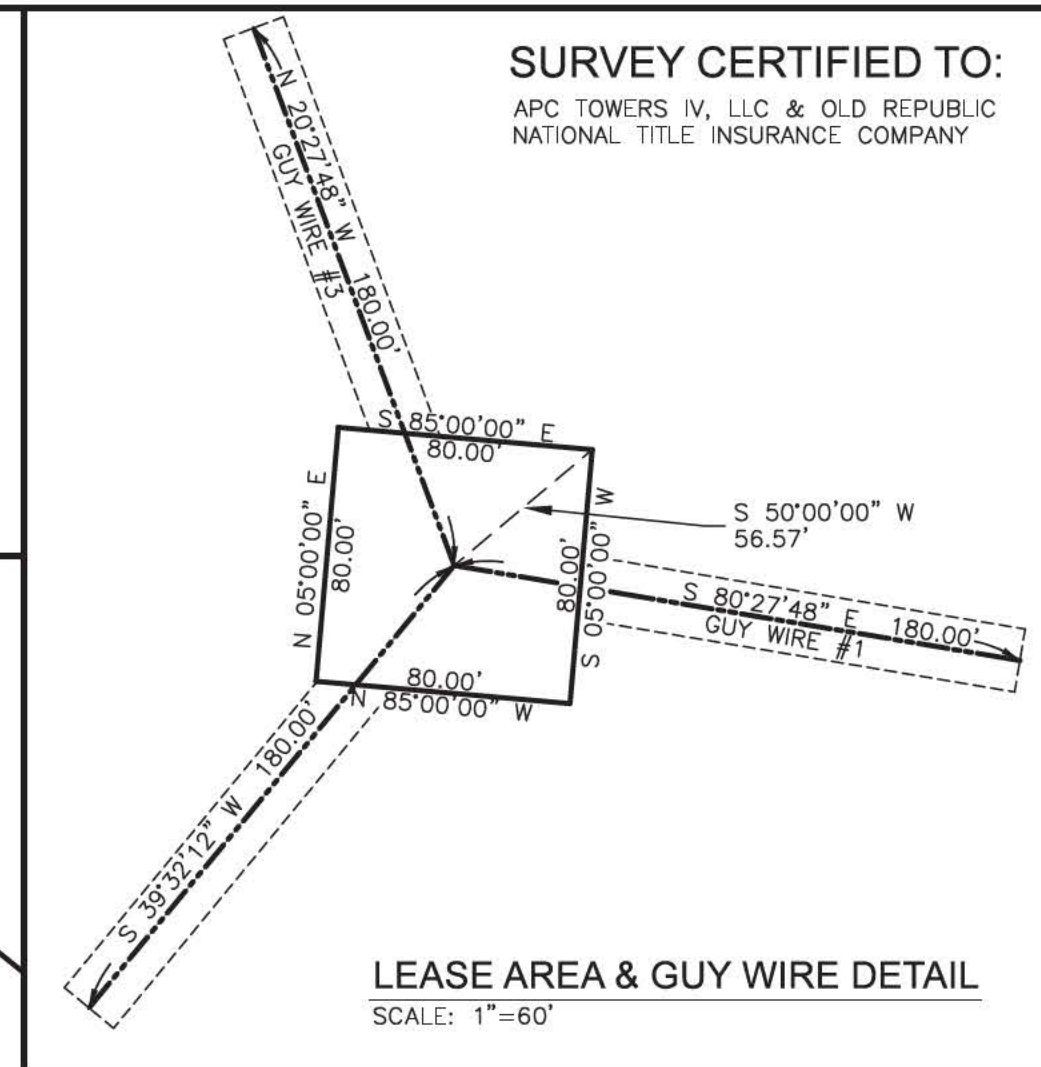
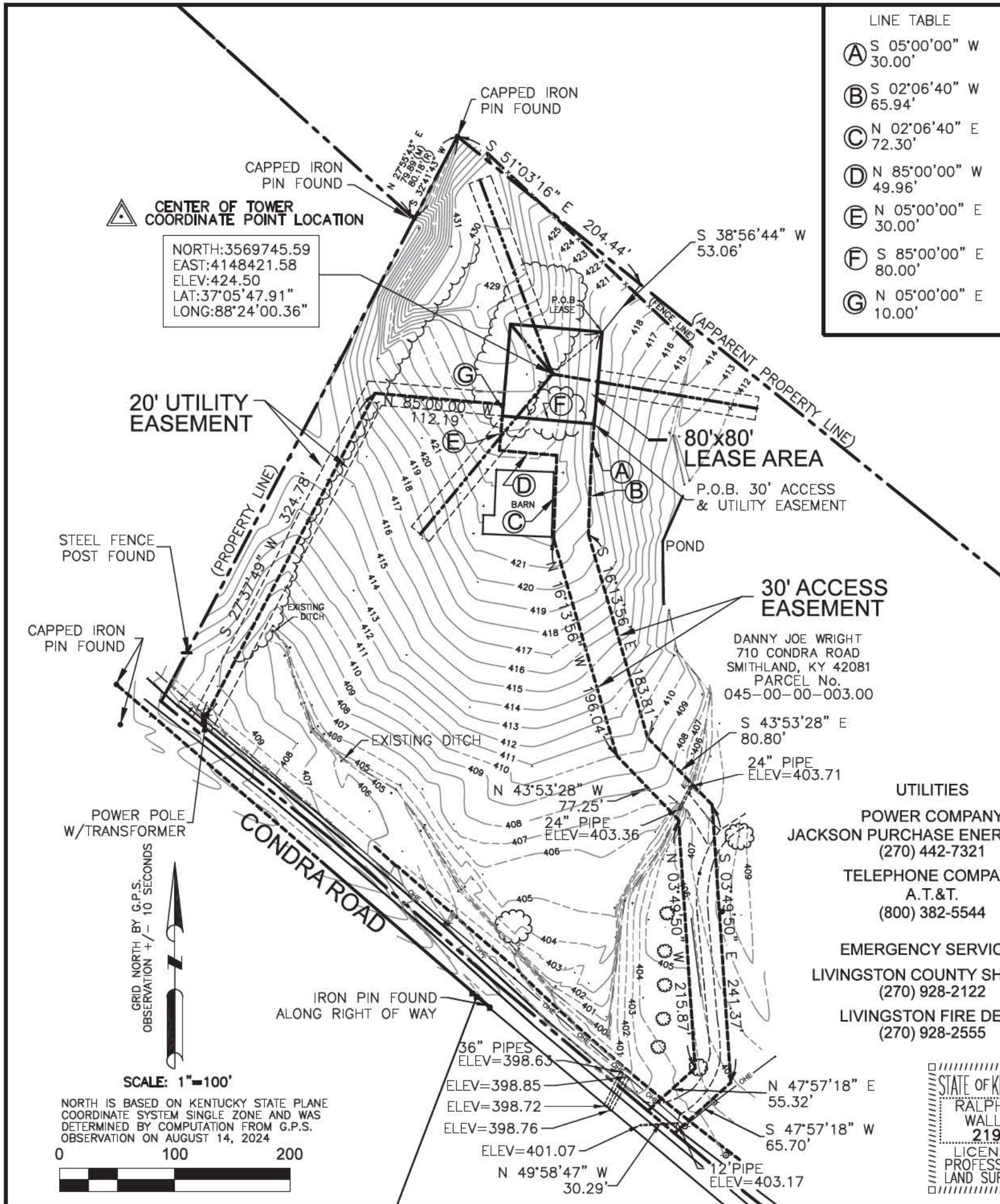
PROJECT INFORMATION,
LOCATION MAPS,
AND DRAWING INDEX

SHEET NO.:

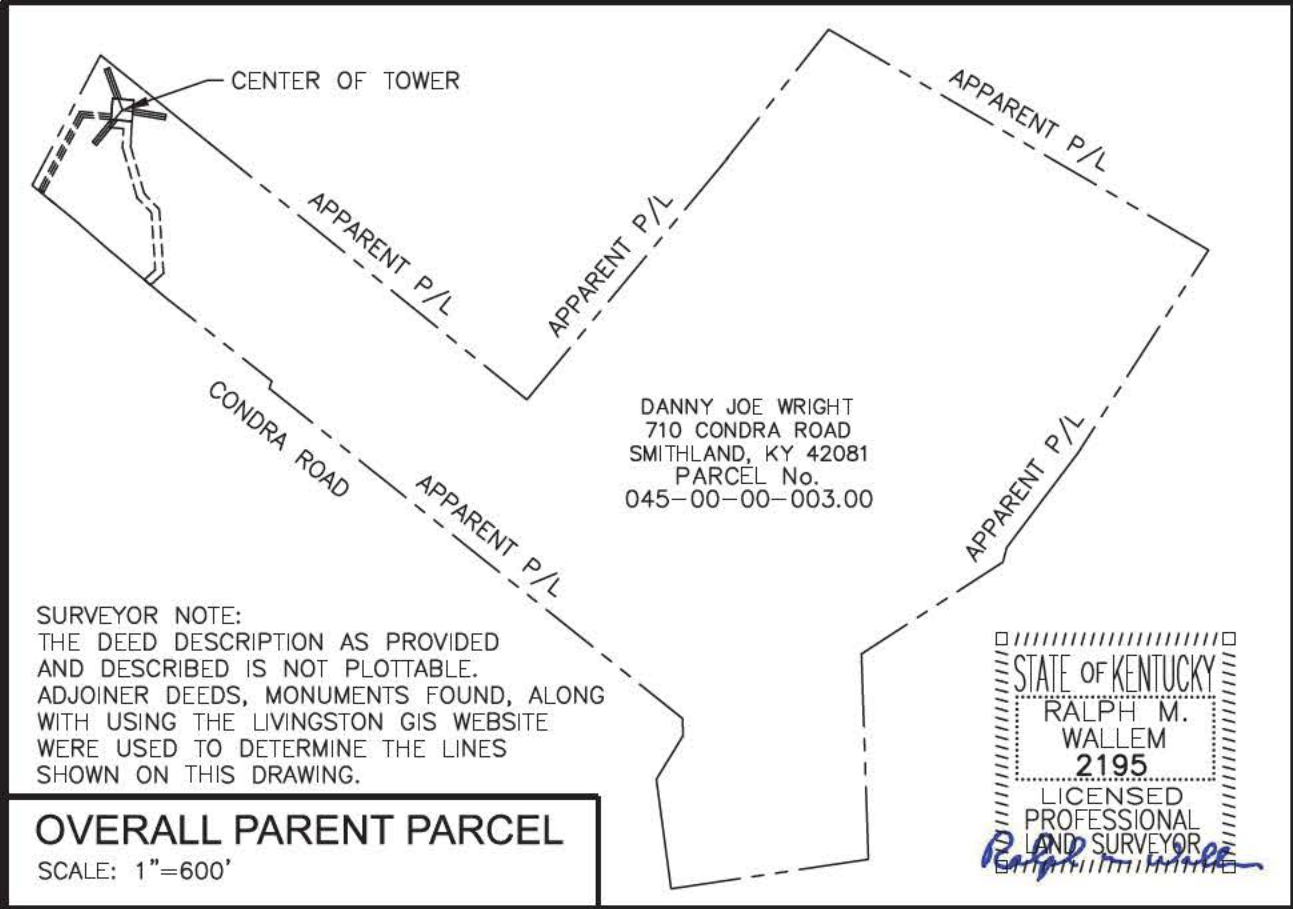


Call 811 or
(800) 752-6007 Toll Free
48 Hours Prior To Digging

T-1



APC Towers RALEIGH, NC 27615		
CELLCO PARTNERSHIP, d/b/a verizon CHANDLER, IN 47610		
MISSION 1 COMMUNICATIONS FT. WAYNE, IN 46804		
BENCHMARK SERVICES, INC. Consulting Engineers Land Surveyors 318 North Main Street Huntingburg, IN 47542 (812) 683-3049 benchmark@nmw.twcbe.com		
SITE NO: KY-1824		
SITE NAME: EV SMITHLAND SOUTH		
SITE ADDRESS: CONDRA ROAD SMITHLAND, KY 42081		
LEASE AREA: 6400 SQ. FT.		
PROPERTY OWNER: DANNY JOE WRIGHT 710 CONDRA ROAD SMITHLAND, KY 42081		
COUNTY: LIVINGSTON COUNTY		
PARCEL NO: 045-00-00-003.00		
INSTRUMENT NUMBER: DB 271, PAGE 620		
LATITUDE: 37°05'47.91" N LONGITUDE: 88°24'00.36" W		
DWG BY: GVW	CHKD BY: RMW	DATE: 9.16.24
NO.	REVISION/ISSUE	DATE:
1.	LENGTHEN GUY ESMT.	11.21.24
2.	ACCESS & UTILITY ESMT	2.12.25
TITLE: SURVEY PLAN		
SHEET: 1 OF 3		



GUY WIRE #2 EASEMENT DESCRIPTION

A PART OF A PARCEL OF LAND IN LIVINGSTON COUNTY, KENTUCKY CURRENTLY OWNED BY DANNY JOE WRIGHT, QUIT CLAIM DEED RECORDED AS DEED BOOK 271, PAGE 620 AND FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT 1/2" IRON PIN FOUND AT THE NORTHWESTERN MOST POINT OF THE WRIGHT PROPERTY; SAID POINT BEING THE COMMON CORNER OF A PARCEL OF LAND AS DESCRIBED IN DEED BOOK 265, PAGE 620 AND BEING NORTH 32 DEGREES 41 MINUTES 43 SECONDS EAST 80.18 FEET FROM AN IRON PIN FOUND THIS SURVEY AS REFERENCED IN SAID DEED BOOK 265, PAGE 620 AS A CORNER WITH EDMUND'S, DEED BOOK 96, PAGE 604, THENCE ALONG THENCE SOUTH 51 DEGREES 03 MINUTES 16 SECONDS EAST 204.44 FEET; THENCE SOUTH 38 DEGREES 56 MINUTES 44 SECONDS WEST 53.06 FEET TO THE NORTHEAST LEASE CORNER: THENCE SOUTH 50 DEGREES 00 MINUTES 00 SECONDS WEST 56.67 FEET TO THE CENTER OF THE TOWER AND BEING THE TRUE PLACE OF BEGINNING; THENCE ON AND ALONG A LINE 10 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED LINE BEARING SOUTH 39 DEGREES 32 MINUTES 12 SECONDS WEST 180.00 FEET TO THE TERMINUS. THE SIDELINES SHALL BE LENGTHENED OR SHORTENED TO TERMINATE IN THE LEASE LINES.

GUY WIRE #3 EASEMENT DESCRIPTION

A PART OF A PARCEL OF LAND IN LIVINGSTON COUNTY, KENTUCKY CURRENTLY OWNED BY DANNY JOE WRIGHT, QUIT CLAIM DEED RECORDED AS DEED BOOK 271, PAGE 620 AND FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT 1/2" IRON PIN FOUND AT THE NORTHWESTERN MOST POINT OF THE WRIGHT PROPERTY; SAID POINT BEING THE COMMON CORNER OF A PARCEL OF LAND AS DESCRIBED IN DEED BOOK 265, PAGE 620 AND BEING NORTH 32 DEGREES 41 MINUTES 43 SECONDS EAST 80.18 FEET FROM AN IRON PIN FOUND THIS SURVEY AS REFERENCED IN SAID DEED BOOK 265, PAGE 620 AS A CORNER WITH EDMUND'S, DEED BOOK 96, PAGE 604, THENCE ALONG THENCE SOUTH 51 DEGREES 03 MINUTES 16 SECONDS EAST 204.44 FEET; THENCE SOUTH 38 DEGREES 56 MINUTES 44 SECONDS WEST 53.06 FEET TO THE NORTHEAST LEASE CORNER: THENCE SOUTH 50 DEGREES 00 MINUTES 00 SECONDS WEST 56.67 FEET TO THE CENTER OF THE TOWER AND BEING THE TRUE PLACE OF BEGINNING; THENCE ON AND ALONG A LINE 10 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED LINE BEARING NORTH 20 DEGREES 27 MINUTES 48 SECONDS WEST 180.00 FEET TO THE TERMINUS. THE SIDELINES SHALL BE LENGTHENED OR SHORTENED TO TERMINATE IN THE LEASE LINES.

80'x80' LEASE AREA DESCRIPTION

A PART OF A PARCEL OF LAND IN LIVINGSTON COUNTY, KENTUCKY CURRENTLY OWNED BY DANNY JOE WRIGHT, QUIT CLAIM DEED RECORDED AS DEED BOOK 271, PAGE 620 AND FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT 1/2" IRON PIN FOUND AT THE NORTHWESTERN MOST POINT OF THE WRIGHT PROPERTY; SAID POINT BEING THE COMMON CORNER OF A PARCEL OF LAND AS DESCRIBED IN DEED BOOK 265, PAGE 620 AND BEING NORTH 32 DEGREES 41 MINUTES 43 SECONDS EAST 80.18 FEET FROM AN IRON PIN FOUND THIS SURVEY AS REFERENCED IN SAID DEED BOOK 265, PAGE 620 AS A CORNER WITH EDMUND'S, DEED BOOK 96, PAGE 604, THENCE ALONG THENCE SOUTH 51 DEGREES 03 MINUTES 16 SECONDS EAST 204.44 FEET; THENCE SOUTH 38 DEGREES 56 MINUTES 44 SECONDS WEST 53.06 FEET TO THE NORTHEAST LEASE CORNER AND BEING THE TRUE PLACE OF BEGINNING; THENCE SOUTH 05 DEGREES 00 MINUTES 00 SECONDS WEST 80.00 FEET; THENCE NORTH 85 DEGREES 00 MINUTES 00 SECONDS WEST 80.00 FEET; THENCE NORTH 05 DEGREES 00 MINUTES 00 SECONDS EAST 80.00 FEET; THENCE SOUTH 85 DEGREES 00 MINUTES 00 SECONDS EAST 80.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 6,400 SQUARE FEET, (0.15 ACRES), MORE OR LESS.

30' ACCESS EASEMENT DESCRIPTION

A PART OF A PARCEL OF LAND IN LIVINGSTON COUNTY, KENTUCKY CURRENTLY OWNED BY DANNY JOE WRIGHT, QUIT CLAIM DEED RECORDED AS DEED BOOK 271, PAGE 620 AND FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT 1/2" IRON PIN FOUND AT THE NORTHWESTERN MOST POINT OF THE WRIGHT PROPERTY; SAID POINT BEING THE COMMON CORNER OF A PARCEL OF LAND AS DESCRIBED IN DEED BOOK 265, PAGE 620 AND BEING NORTH 32 DEGREES 41 MINUTES 43 SECONDS EAST 80.18 FEET FROM AN IRON PIN FOUND THIS SURVEY AS REFERENCED IN SAID DEED BOOK 265, PAGE 620 AS A CORNER WITH EDMUND'S, DEED BOOK 96, PAGE 604, THENCE ALONG THENCE SOUTH 51 DEGREES 03 MINUTES 16 SECONDS EAST 204.44 FEET; THENCE SOUTH 38 DEGREES 56 MINUTES 44 SECONDS WEST 53.06 FEET TO THE NORTHEAST LEASE CORNER: THENCE SOUTH 05 DEGREES 00 MINUTES 00 SECONDS WEST 80.00 FEET TO THE TRUE PLACE OF BEGINNING OF THIS ACCESS EASEMENT; THENCE CONTINUING SOUTH 05 DEGREES 00 MINUTES 00 SECONDS WEST 30.00 FEET; THENCE SOUTH 02 DEGREES 06 MINUTES 40 SECONDS WEST 65.94 FEET; THENCE SOUTH 16 DEGREES 13 MINUTES 56 SECONDS EAST 183.81 FEET; THENCE SOUTH 43 DEGREES 53 MINUTES 28 SECONDS EAST 80.80 FEET; THENCE SOUTH 03 DEGREES 49 MINUTES 50 SECONDS EAST 241.37 FEET; THENCE SOUTH 47 DEGREES 57 MINUTES 18 SECONDS WEST 65.70 FEET TO THE CENTER OF CONDRA ROAD; THENCE ALONG SAID CONDRA ROAD NORTH 49 DEGREES 58 MINUTES 47 SECONDS WEST 30.29 FEET; THENCE NORTH 47 DEGREES 57 MINUTES 18 SECONDS EAST 55.32 FEET; THENCE NORTH 03 DEGREES 49 MINUTES 50 SECONDS WEST 215.87 FEET; THENCE NORTH 43 DEGREES 53 MINUTES 28 SECONDS WEST 77.25 FEET; THENCE NORTH 16 DEGREES 13 MINUTES 56 SECONDS WEST 196.04 FEET; THENCE NORTH 02 DEGREES 06 MINUTES 40 SECONDS EAST 72.30 FEET; THENCE NORTH 85 DEGREES 00 MINUTES 00 SECONDS WEST 49.96 FEET; THENCE NORTH 05 DEGREES 00 MINUTES 00 SECONDS EAST 30.00 FEET; THENCE SOUTH 85 DEGREES 00 MINUTES 00 SECONDS EAST 80.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 21,216 SQUARE FEET, (0.49 ACRES), MORE OR LESS.

20' UTILITY EASEMENT DESCRIPTION

A PART OF A PARCEL OF LAND IN LIVINGSTON COUNTY, KENTUCKY CURRENTLY OWNED BY DANNY JOE WRIGHT, QUIT CLAIM DEED RECORDED AS DEED BOOK 271, PAGE 620 AND FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT 1/2" IRON PIN FOUND AT THE NORTHWESTERN MOST POINT OF THE WRIGHT PROPERTY; SAID POINT BEING THE COMMON CORNER OF A PARCEL OF LAND AS DESCRIBED IN DEED BOOK 265, PAGE 620 AND BEING NORTH 32 DEGREES 41 MINUTES 43 SECONDS EAST 80.18 FEET FROM AN IRON PIN FOUND THIS SURVEY AS REFERENCED IN SAID DEED BOOK 265, PAGE 620 AS A CORNER WITH EDMUND'S, DEED BOOK 96, PAGE 604, THENCE ALONG THENCE SOUTH 51 DEGREES 03 MINUTES 16 SECONDS EAST 204.44 FEET; THENCE SOUTH 38 DEGREES 56 MINUTES 44 SECONDS WEST 53.06 FEET TO THE NORTHEAST LEASE CORNER: THENCE SOUTH 05 DEGREES 00 MINUTES 00 SECONDS WEST 80.00 FEET; THENCE NORTH 85 DEGREES 00 MINUTES 00 SECONDS WEST 80.00 FEET; THENCE NORTH 05 DEGREES 00 MINUTES 00 SECONDS EAST 10.00 FEET TO THE TRUE PLACE OF BEGINNING OF THIS 20 FOOT WIDE UTILITY EASEMENT; THENCE ON AND ALONG A LINE 10.00 FEET ON BOTH SIDES OF THE FOLLOWING DESCRIBED LINE; BEARING NORTH 85 DEGREES 00 MINUTES 00 SECONDS WEST 112.19 FEET; THENCE SOUTH 27 DEGREES 37 MINUTES 49 SECONDS WEST 324.78 FEET TO A POINT ON THE NORTH RIGHT OF WAY LINE OF CONDRA ROAD AND TERMINUS.

THE SIDELINES SHALL BE LENGTHENED AND SHORTENED TO TERMINATE IN SAID RIGHT OF WAY LINE.

GUY WIRE #1 EASEMENT DESCRIPTION

A PART OF A PARCEL OF LAND IN LIVINGSTON COUNTY, KENTUCKY CURRENTLY OWNED BY DANNY JOE WRIGHT, QUIT CLAIM DEED RECORDED AS DEED BOOK 271, PAGE 620 AND FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT 1/2" IRON PIN FOUND AT THE NORTHWESTERN MOST POINT OF THE WRIGHT PROPERTY; SAID POINT BEING THE COMMON CORNER OF A PARCEL OF LAND AS DESCRIBED IN DEED BOOK 265, PAGE 620 AND BEING NORTH 32 DEGREES 41 MINUTES 43 SECONDS EAST 80.18 FEET FROM AN IRON PIN FOUND THIS SURVEY AS REFERENCED IN SAID DEED BOOK 265, PAGE 620 AS A CORNER WITH EDMUND'S, DEED BOOK 96, PAGE 604, THENCE ALONG THENCE SOUTH 51 DEGREES 03 MINUTES 16 SECONDS EAST 204.44 FEET; THENCE SOUTH 38 DEGREES 56 MINUTES 44 SECONDS WEST 53.06 FEET TO THE NORTHEAST LEASE CORNER: THENCE SOUTH 50 DEGREES 00 MINUTES 00 SECONDS WEST 56.67 FEET TO THE CENTER OF THE TOWER AND BEING THE TRUE PLACE OF BEGINNING; THENCE ON AND ALONG A LINE 10 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED LINE BEARING SOUTH 80 DEGREES 27 MINUTES 48 SECONDS EAST 180.00 FEET TO THE TERMINUS. THE SIDELINES SHALL BE LENGTHENED OR SHORTENED TO TERMINATE IN THE LEASE LINES.

APC Towers

RALEIGH, NC 27615

CELLCO PARTNERSHIP, d/b/a

verizon
CHANDLER, IN 47610

MISSION 1
COMMUNICATIONS

FT. WAYNE, IN 46804

BENCHMARK
SERVICES, INC.

Consulting Engineers
Land Surveyors
318 North Main Street
Huntingburg, IN 47542
(812) 683-3049
benchmark@nw.twcnc.com

SITE NO:
KY-1824

SITE NAME:
EV SMITHLAND SOUTH

SITE ADDRESS:
CONDRA ROAD
SMITHLAND, KY 42081

LEASE AREA:
6400 SQ. FT.

PROPERTY OWNER:
DANNY JOE WRIGHT
710 CONDRA ROAD
SMITHLAND, KY 42081

COUNTY:
LIVINGSTON COUNTY

PARCEL NO:
045-00-00-003.00

INSTRUMENT NUMBER:
DB 271, PAGE 620

LATITUDE: 37°05'47.91" N
LONGITUDE: 88°24'00.36" W

DWG BY: GVW
CHKD BY: RMW
DATE: 9.16.24

NO.	REVISION/ISSUE	DATE:
1.	LENGTHEN GUY ESMT.	11.21.24
2.	ACCESS & UTILITY ESMT	2.12.25

TITLE:
SURVEY PLAN

SHEET:
2 OF 3

TITLE COMMITMENT

Issuing Agent: Old Republic National Title Insurance Company
Issuing Office: 530 SOUTH MAIN STREET SUITE 1061 AKRON, OH 44311
Issuing Office's ALTA® Registry ID: 1013817
Loan ID Number: KY-1824 2ND CANDIDATE
Commitment Number: 01-24016091-01T
Property Address: 710 CONDRA DR SMITHLAND, KY 42081
SCHEDULE A COMMITMENT

Commitment Date: 04/15/2024 at 7:00 a.m.

Proposed Insured: APC TOWERS IV, LLC
The estate or interest to be insured: LEASEHOLD

The Title is, at the Commitment Date, vested in: DANNY JOE WRIGHT, MARRIED, SUBJECT TO THE LIFE ESTATE OF MARY MARTHA WRIGHT, UNMARRIED

The Land is described as follows: SEE ATTACHED EXHIBIT

SURVEYOR'S CERTIFICATION

I CERTIFY THAT THIS PLAT AND SURVEY WERE MADE BY ME UNDER MY SUPERVISION, AND THAT THE ANGULAR AND LINEAR MEASUREMENTS, AS WITNESSED BY MONUMENTS SHOWN HEREON, ARE TRUE AND CORRECT TO THE BEST OF MY ABILITY AND BELIEF. THIS SURVEY AND PLAT MEETS OR EXCEEDS THE MINIMUM STANDARDS OF THE GOVERNING AUTHORITIES.

SURVEYOR STATEMENT-MY COMMENTS ARE BASED SOLELY ON THE TITLE DOCUMENT THAT HAVE BEEN SUPPLIED TO ME BY THE TITLE COMPANY. SINCE THE TITLE DOCUMENTS ARE FURNISHED FOR THE PARENT TRACT, OUR TOPOGRAPHIC SURVEY IS OF A PORTION OF THAT TRACT. MY COMMENTS ARE RESTRICTED TO EXCLUSIONS THAT I CAN DETERMINE AFFECT ONLY OUR PORTION OF THE PARENT TRACT. NO BOUNDARY SURVEY WAS PERFORMED ON THE PARENT TRACT. THUS IT IS NOT POSSIBLE TO DETERMINE WITH CERTAINTY EXCLUSIONS REFERENCING THE PARENT TRACT.

ADDITIONALLY:
THE 80'X80' LEASE AREA WITH THE KENTUCKY SINGLE ZONE COORDINATES OF NORTH: 3569745.59, EASTING: 4148421.58 AT THE CENTER OF THE TOWER WILL NOT BE AFFECTED BY THE BAD PARENT PARCEL DEED, AS RECORDED IN BOOK 271, PAGE 620. THE PARENT PARCEL SHOWN ON THIS SURVEY WAS DERIVED BY ADJOINER DEEDS, MONUMENTS FOUND IN THE FIELD, ALONG WITH USING THE LIVINGSTON GIS WEBSITE. GUY WIRE #1 WITH COORDINATES OF NORTH: 3569718.25, EASTING: 4148584.30 AND GUY WIRE #3 WITH COORDINATES OF NORTH 3569900.18, EASTING: 4148363.90 WILL NOT BE AFFECTED BY THE BAD PARENT PARCEL DEED.

SCHEDULE "B" ITEMS

ITEM 1 (NOT A SURVEYOR RELATED ITEM)

2. FACTS WHICH WOULD BE DISCLOSED BY A COMPREHENSIVE SURVEY OF THE PREMISES HEREIN DESCRIBED. (NO BOUNDARY SURVEY WAS PERFORMED. BENCHMARK SERVICES, INC., WAS HIRED TO CREATE LEASE DESCRIPTIONS AND AN ACCESS & UTILITY EASEMENT.

ITEMS 3 THRU 7 (NOT A SURVEYOR RELATED ITEM)

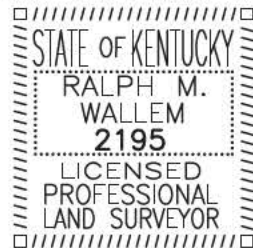
8. QUANTITY OF ACREAGE/SQUARE FOOTAGE AS SET FORTH IN SCHEDULE A, IF ANY. (UNPLOTTABLE DEEDS. SURVEYOR UNABLE TO COMMENT).

9. OIL AND GAS LEASE FROM VIVA CONDRA HOLMES AND JEWELL HOLMES, LESSOR, TO THE HALLIBURTON COMPANY, LLC, LESSEE, RECORDED 09/13/2006, IN BOOK L8 PAGE 450, OF THE LIVINGSTON COUNTY RECORDS. (UNABLE TO PLOT DEEDS BUT CAN ASSUME THIS OIL AND GAS LEASE WOULD AFFECT THE PARENT PARCEL, THE LEASE AREAS, AND THE ACCESS & UTILITY EASEMENTS).

10. MEMORANDUM OF SOLAR LEASE AND EASEMENT AGREEMENT BY AND BETWEEN DANNY JOE WRIGHT, AS POWER OF ATTORNEY FOR MARY MARTHA WRIGHT AND DANNY JOE WRIGHT, AND BOULEVARD ASSOCIATES, LLC, RECORDED 02/12/2024, IN BOOK D276 PAGE 117, OF THE LIVINGSTON COUNTY RECORDS. (UNABLE TO PLOT DEEDS BUT CAN ASSUME THIS OIL AND GAS LEASE WOULD AFFECT THE PARENT PARCEL, THE LEASE AREAS, AND THE ACCESS & UTILITY EASEMENTS).

END OF SCHEDULE "B"


RALPH M. WALLEM KY LS 2195



SITUATED IN THE COUNTY OF LIVINGSTON, COMMONWEALTH OF KENTUCKY:

PARCEL I:

ON THE SOUTH SIDE OF CUMBERLAND RIVER: BEGINNING ON THREE BLACK JACK IN THE LINE OF E.B. ROSS OLD SURVEY; THENCE N. 31 E. 143 POLES TO A, WHITE OAK AND THREE DOGWOODS; THENCE S. 69 E. 143 POLES TO A BLACK OAK; THENCE S. 31 W 88 POLES TO A POST OAK THENCE S 58 W. 64 POLES TO THREE POST OAKS; THENCE N 59 W. 84 POLES TO THE BEGINNING, CONTAINING 100 ACRES MORE OR LESS

PARCEL II:

BEGINNING AT A STONE IN THE LEE LINE, CORNER TO G.F. ROBERTSON AND THE OLD LEEPER LINE; THENCE NORTHWEST WITH THE LEE LINE ABOUT 27 POLES TO A CORNER IN J.D. CLOPTON LINE, WITH SAID LINE ABOUT 14 POLES TO J.D. CLOPTON CORNER IN THE GRAY LINE; THENCE WITH SAID LINE ABOUT 274 STEPS TO A RED OAK, ELM SAPLIN AND STONE IN SAID GRAYS LINE; THENCE SOUTH EAST STRAIGHT BY A HICKORY SAPLIN TO A SASAFRASS, ELM SAPLIN AND STONE IN LEEPER LINE; THENCE WITH SAID LINE ABOUT 258 STEPS TO THE BEGINNING, CONTAINING (11) ACRES MORE OR LESS

I HAVE HEREBY RESERVED 20 FEET ON THE NORTH SIDE.

TAX ID: 045-00-00-003.00

BEING THE SAME PROPERTY CONVEYED TO DANNY JOE WRIGHT, MARRIED, GRANTEE, FROM MARY MARTHA WRIGHT, UNMARRIED, GRANTOR, BY QUIT CLAIM DEED RECORDED 09/30/2022, IN BOOK D271, PAGE 620, OF THE LIVINGSTON COUNTY RECORDS.

NOTE: MARY MARTHA WRIGHT RESERVES A LIFE ESTATE.

NO BOUNDARY WAS PERFORMED. PARENT PARCEL WAS PROVIDED TO BENCHMARK SERVICES, INC.



SITE NO:
KY-1824

SITE NAME:
EV SMITHLAND SOUTH

SITE ADDRESS:
CONDRA ROAD
SMITHLAND, KY 42081

LEASE AREA:
6400 SQ. FT.

PROPERTY OWNER:
DANNY JOE WRIGHT
710 CONDRA ROAD
SMITHLAND, KY 42081

COUNTY:
LIVINGSTON COUNTY

PARCEL NO:
045-00-00-003.00

INSTRUMENT NUMBER:
DB 271, PAGE 620

LATITUDE: 37°05'47.91" N
LONGITUDE: 88°24'00.36" W

DWG BY: GVV
CHKD BY: RMW
DATE: 9.16.24

NO.	REVISION/ISSUE	DATE:
1.	LENGTHEN GUY ESMT.	11.21.24
2.	ACCESS & UTILITY ESMT	2.12.25

TITLE:
SURVEY PLAN

SHEET:
3 OF 3

RELEASE	DATE
08-26-2024	LEASE EXHIBIT
03-31-2025	ZONING DRAWINGS

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

SITE NAME:

**KY-1824
EV SMITHLAND
SOUTH
CELL SITE**

SITE ADDRESS:

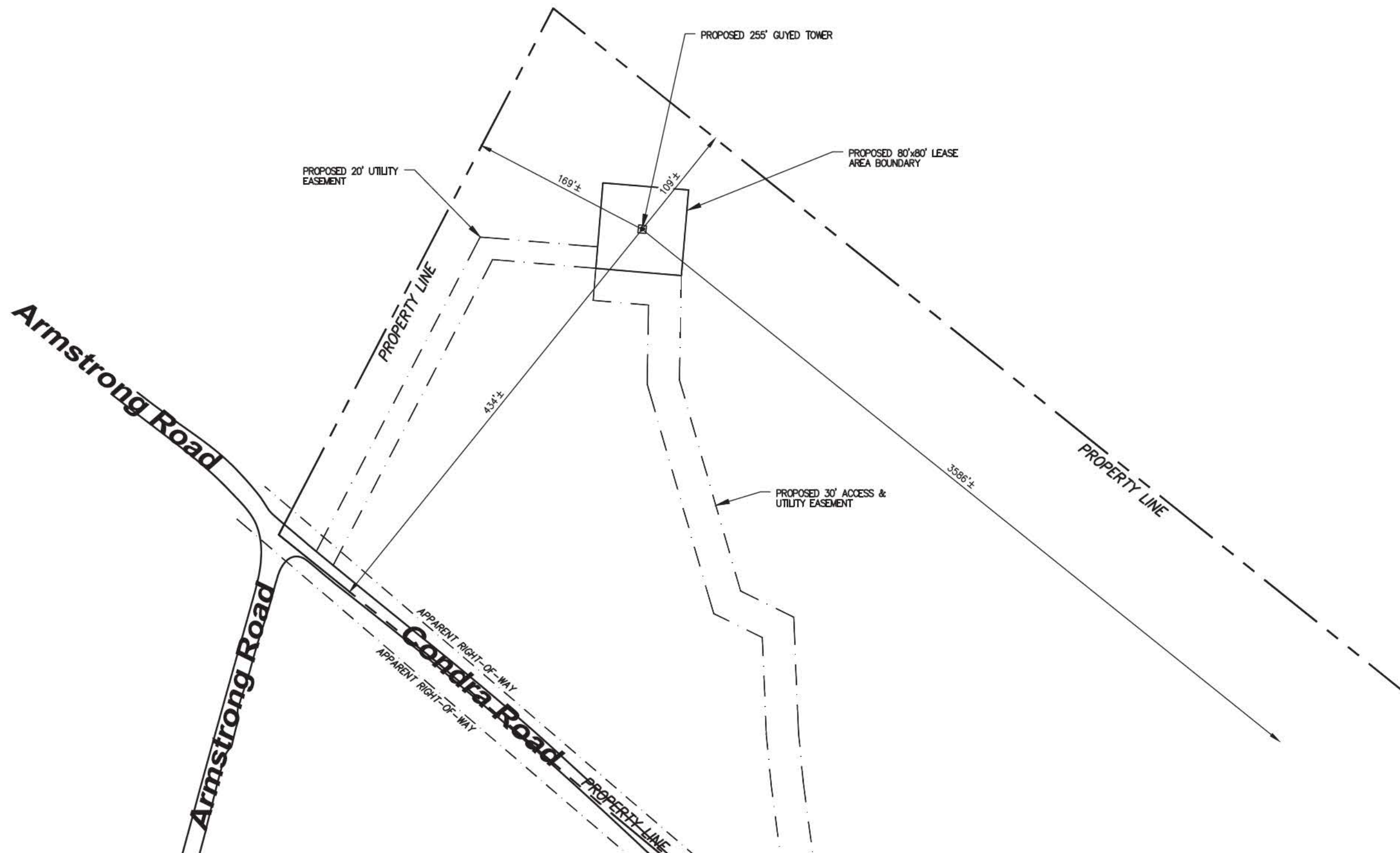
**CONDRA ROAD
SMITHLAND, KY 42081**

SHEET TITLE:

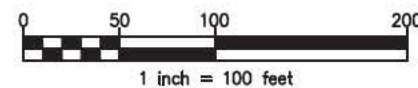
**OVERALL SITE PLAN
w/ TOWER DISTANCES
TO PROPERTY LINES**

SHEET NO.:

C-1A

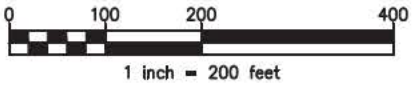


Overall Site Plan w/ Tower Distances To Property Lines



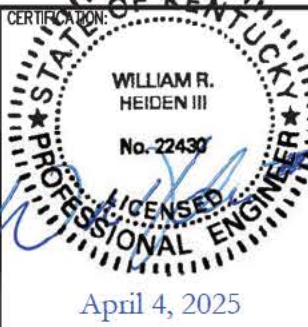


Overall Site Plan w/ Tower Distances To Residential Structures



APC Towers

CELLCO PARTNERSHIP, d/b/a
verizon



RELEASE	
DATE	
08-26-2024	LEASE EXHIBIT
03-31-2025	ZONING DRAWINGS

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

SITE NAME:

**KY-1824
EV SMITHLAND
SOUTH
CELL SITE**

SITE ADDRESS:

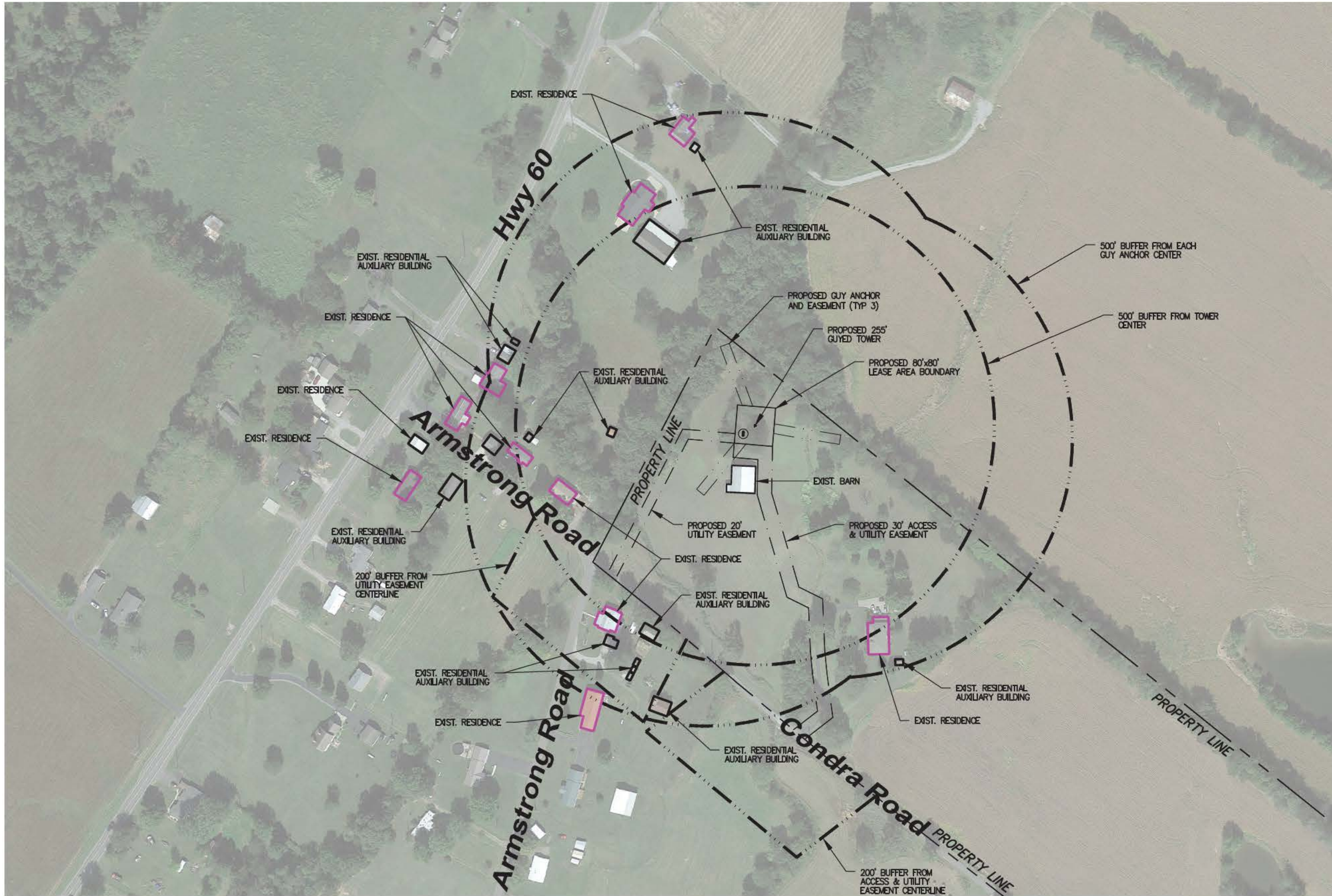
**CONDRA ROAD
SMITHLAND, KY 42081**

SHEET TITLE:

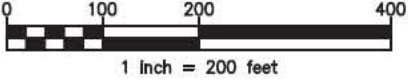
**OVERALL SITE PLAN
w/ TOWER DISTANCES
TO RESIDENTIAL
STRUCTURES**

SHEET NO.:

C-1B



Tower And Access Easement Buffer Map



APC Towers

CELLCO PARTNERSHIP, d/b/a
verizon



CERTIFICATION:
STATE OF KENTUCKY
WILLIAM R. HEIDEN III
No. 22430
PROFESSIONAL ENGINEER
April 4, 2025

RELEASE	
DATE	
08-26-2024	LEASE EXHIBIT
03-31-2025	ZONING DRAWINGS

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

SITE NAME:

**KY-1824
EV SMITHLAND
SOUTH
CELL SITE**

SITE ADDRESS:

**CONDRA ROAD
SMITHLAND, KY 42081**

SHEET TITLE:

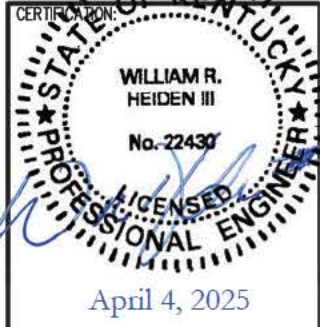
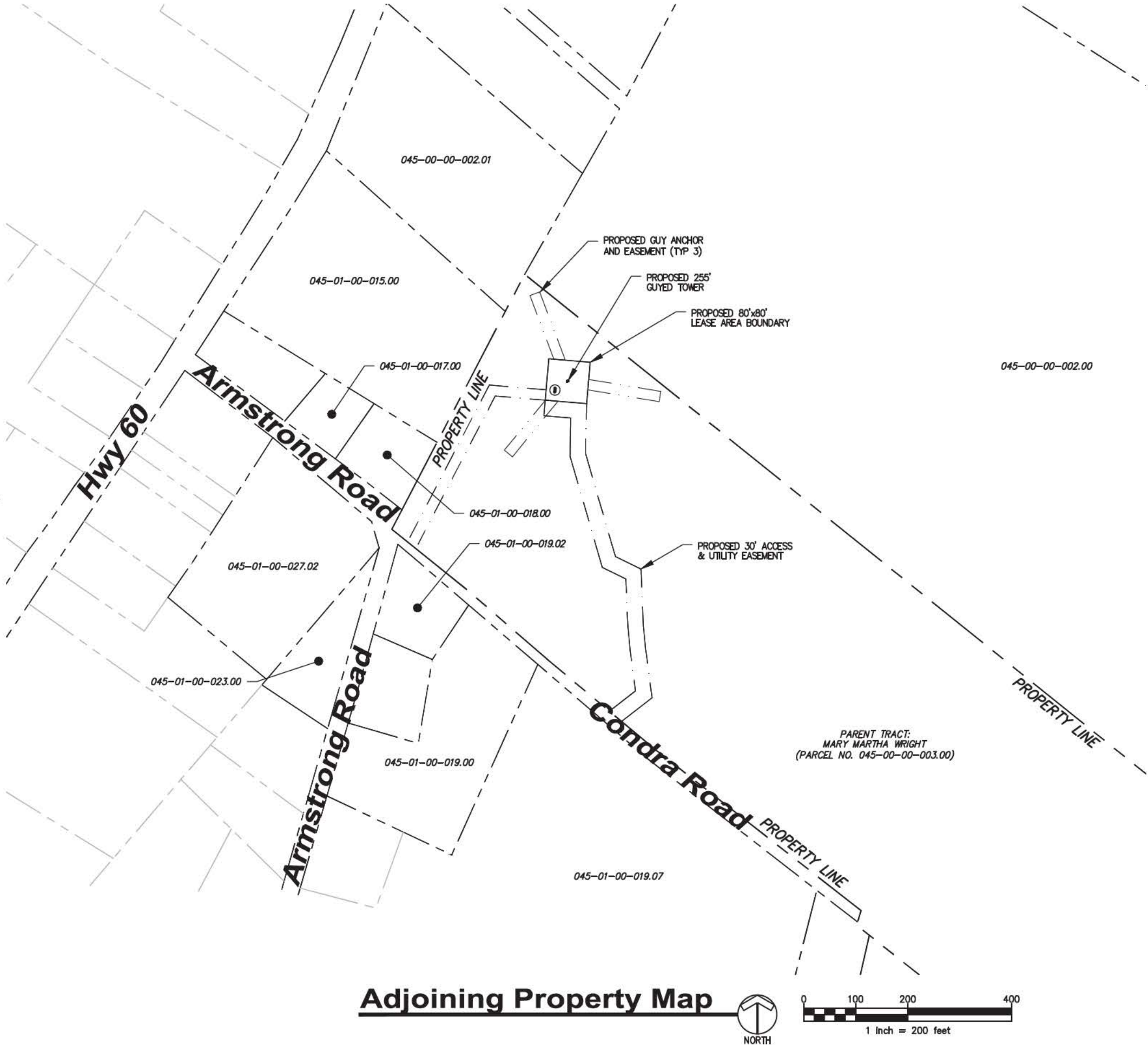
**TOWER AND ACCESS
EASEMENT BUFFER MAP**

SHEET NO.:

C-1C

PARCEL NO.	PRIMARY OWNER
045-00-00-002.00	JUSTIN & DAKOTA LOVELESS 970 US HWY 60 W SMITHLAND, KY 42081
045-00-00-002.01	JUSTIN & DAKOTA LOVELESS 970 US HWY 60 W SMITHLAND, KY 42081
045-00-00-003.00	MARY MARTHA WRIGHT 802 NW 12TH STREET ANDREWS, TX 79714
045-01-00-015.00	BILLY JOE & MAGDALINE EDMONDS 974 US HWY 60 W SMITHLAND, KY 42081
045-01-00-017.00	JOEY LYNN EDMONDS 704 ARMSTRONG ROAD SMITHLAND, KY 42081
045-01-00-018.00	ROBERT M KARR 111 GROVOLET BELLE CHASSE, LA 70037
045-01-00-019.00	ALICE ARMSTRONG 718 ARMSTRONG ROAD SMITHLAND, KY 42081
045-01-00-019.02	STEVE CHAMPION 712 ARMSTRONG ROAD SMITHLAND, KY 42081
045-01-00-019.07	JUSTIN & JESSIKA DANNIELLE BALLARD 739 IUKA ROAD SMITHLAND, KY 42081
045-01-00-023.00	HANNAH MARIE NOWLING 717 ARMSTRONG ROAD SMITHLAND, KY 42081
045-01-00-027.02	JOEY L EDMONDS 704 ARMSTRONG ROAD SMITHLAND, KY 42081

NOTE
ALL OWNER INFORMATION SHOWN HEREON IS BASED ON
PROPERTY OWNERSHIP RECORDS PER BEACON-SCHNEIDER CORP
WARREN COUNTY, KY PVA, FEBRUARY 23, 2024.
THIS MAP IS FOR GENERAL INFORMATION PURPOSES ONLY AND
IS NOT A BOUNDARY SURVEY.
THIS MAP IS NOT INTENDED TO BE USED FOR LAND TRANSFER.



RELEASE
DATE
08-26-2024 LEASE EXHIBIT
03-31-2025 ZONING DRAWINGS

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

SITE NAME:

**KY-1824
EV SMITHLAND
SOUTH
CELL SITE**

SITE ADDRESS:

**CONDRA ROAD
SMITHLAND, KY 42081**

SHEET TITLE:

**ADJOINING PROPERTY
MAP**

SHEET NO.:

C-1D

PARCEL NO. PRIMARY OWNER

045-00-00-001.05 MICHAEL O SMITH
DEBORAH D RAMAGE
1002 IUKA ROAD
SMITHLAND, KY 42081

045-00-00-002.00 JUSTIN & DAKOTA LOVELESS
970 US HWY 60 W
SMITHLAND, KY 42081

045-00-00-002.01 JUSTIN & DAKOTA LOVELESS
970 US HWY 60 WEST
SMITHLAND, KY 42081

045-00-00-003.00 MARY MARTHA WRIGHT
802 NW 12TH STREET
ANDREWS, TX 79714

045-00-00-005.00 ROBERT ALLEN KELLEY & DOROTHY JO
978 US 60 WEST
SMITHLAND, KY 42091

045-00-00-005.01 PHILIP STACY KIRKHAM
721 CONDR ROAD
SMITHLAND, KY 42081

045-00-00-017.00 ANTHONY D &
KIMBERLY LUCAS CALENDAR
643 BEAR ROAD
LEDBETTER, KY 42058

045-01-00-019.01 PHILIP S KIRKHAM
721 CONDR ROAD
SMITHLAND, KY 42081

045-01-00-019.05 JEFFERY L ARMSTRONG
717 CONDR ROAD
SMITHLAND, KY 42081

045-00-00-024.00 THOMAS N COTHRON REVOCABLE TRUST
DORIS R COTHRON REVOCABLE TRUST
P.O. BOX 262
SMITHLAND, KY 42081

045-01-00-025.00 THOMAS N COTHRON REVOCABLE TRUST
DORIS R COTHRON REVOCABLE TRUST
P.O. BOX 262
SMITHLAND, KY 42081

NOTE

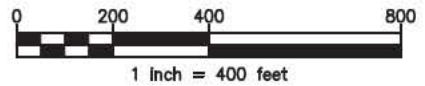
ALL OWNER INFORMATION SHOWN HEREON IS BASED ON
PROPERTY OWNERSHIP RECORDS PER BEACON-SCHNEIDER CORP
WARREN COUNTY, KY PVA, FEBRUARY 23, 2024.

THIS MAP IS FOR GENERAL INFORMATION PURPOSES ONLY AND
IS NOT A BOUNDARY SURVEY.

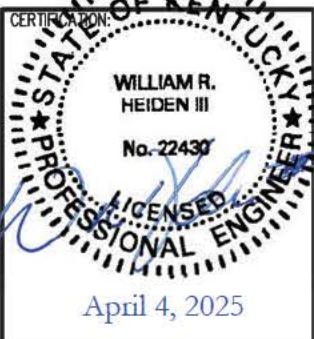
THIS MAP IS NOT INTENDED TO BE USED FOR LAND TRANSFER.



Adjoining Property Map



CELLCO PARTNERSHIP, d/b/a



RELEASE	
DATE	
08-26-2024	LEASE EXHIBIT
03-31-2025	ZONING DRAWINGS

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

SITE NAME:

**KY-1824
EV SMITHLAND
SOUTH
CELL SITE**

SITE ADDRESS:

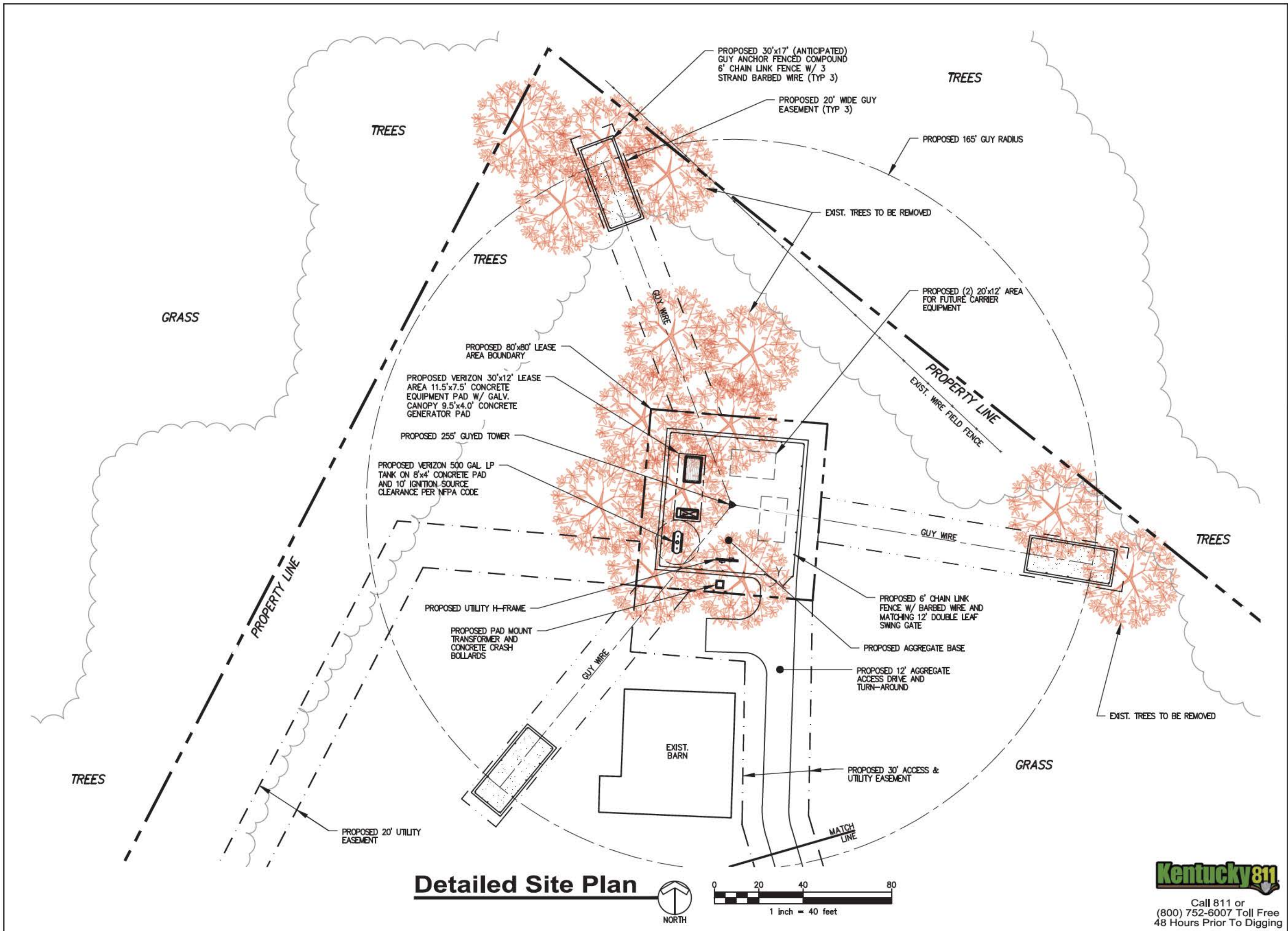
**CONDRA ROAD
SMITHLAND, KY 42081**

SHEET TITLE:

**ADJOINING PROPERTY
MAP**

SHEET NO.:

C-1E



CELLCO PARTNERSHIP, d/b/a

CERTIFICATION:

STATE OF KENTUCKY

WILLIAM R. HEIDEN III

No. 22430

LICENSED PROFESSIONAL ENGINEER

April 4, 2025

RELEASE	
DATE	
08-26-2024	LEASE EXHIBIT
03-31-2025	ZONING DRAWINGS

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

SITE NAME:

**KY-1824
EV SMITHLAND
SOUTH
CELL SITE**

SITE ADDRESS:

**CONDR ROAD
SMITHLAND, KY 42081**

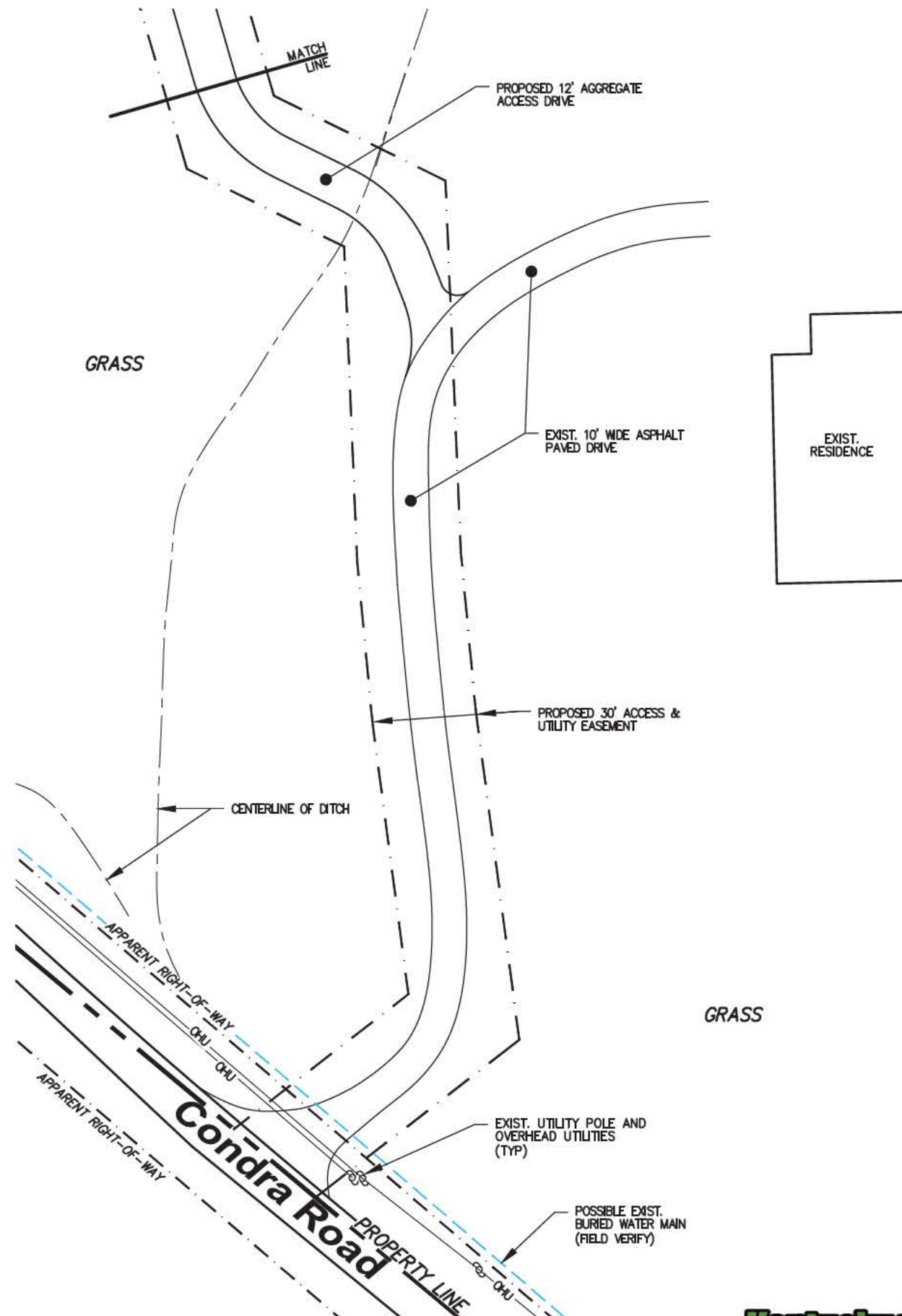
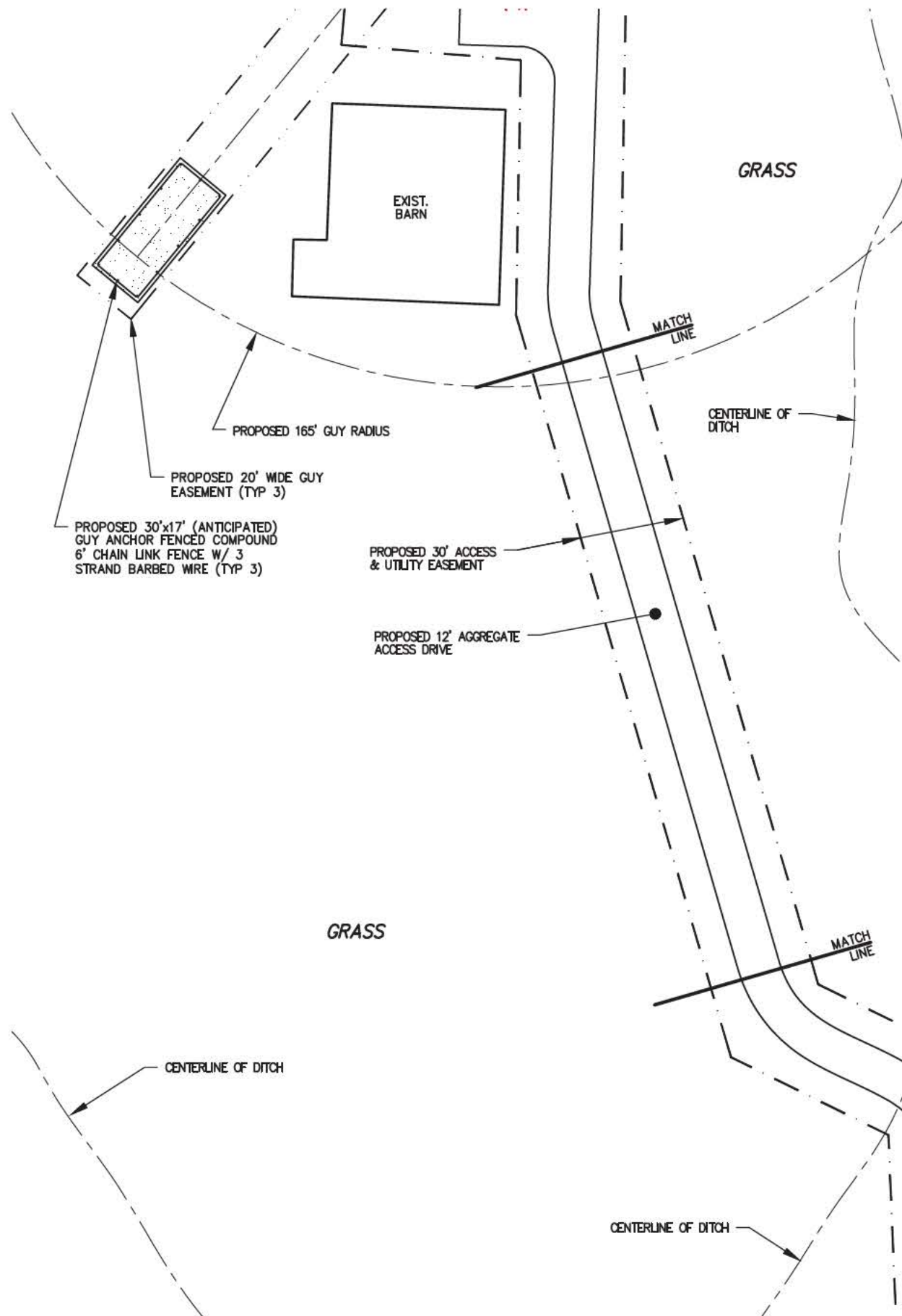
SHEET TITLE:

DETAILED SITE PLAN

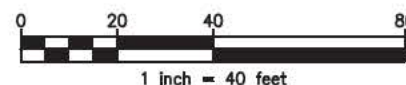
SHEET NO.:

C-2

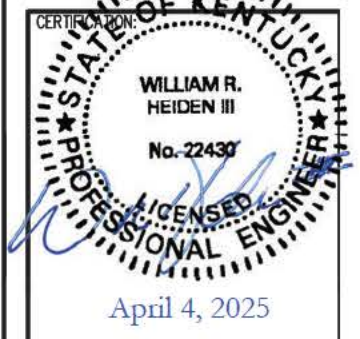
Call 811 or
(800) 752-6007 Toll Free
48 Hours Prior To Digging



Detailed Site Plan



Call 811 or
(800) 752-6007 Toll Free
48 Hours Prior To Digging



RELEASE	DATE
08-26-2024	LEASE EXHIBIT
03-31-2025	ZONING DRAWINGS

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

SITE NAME:

**KY-1824
EV SMITHLAND
SOUTH
CELL SITE**

SITE ADDRESS:

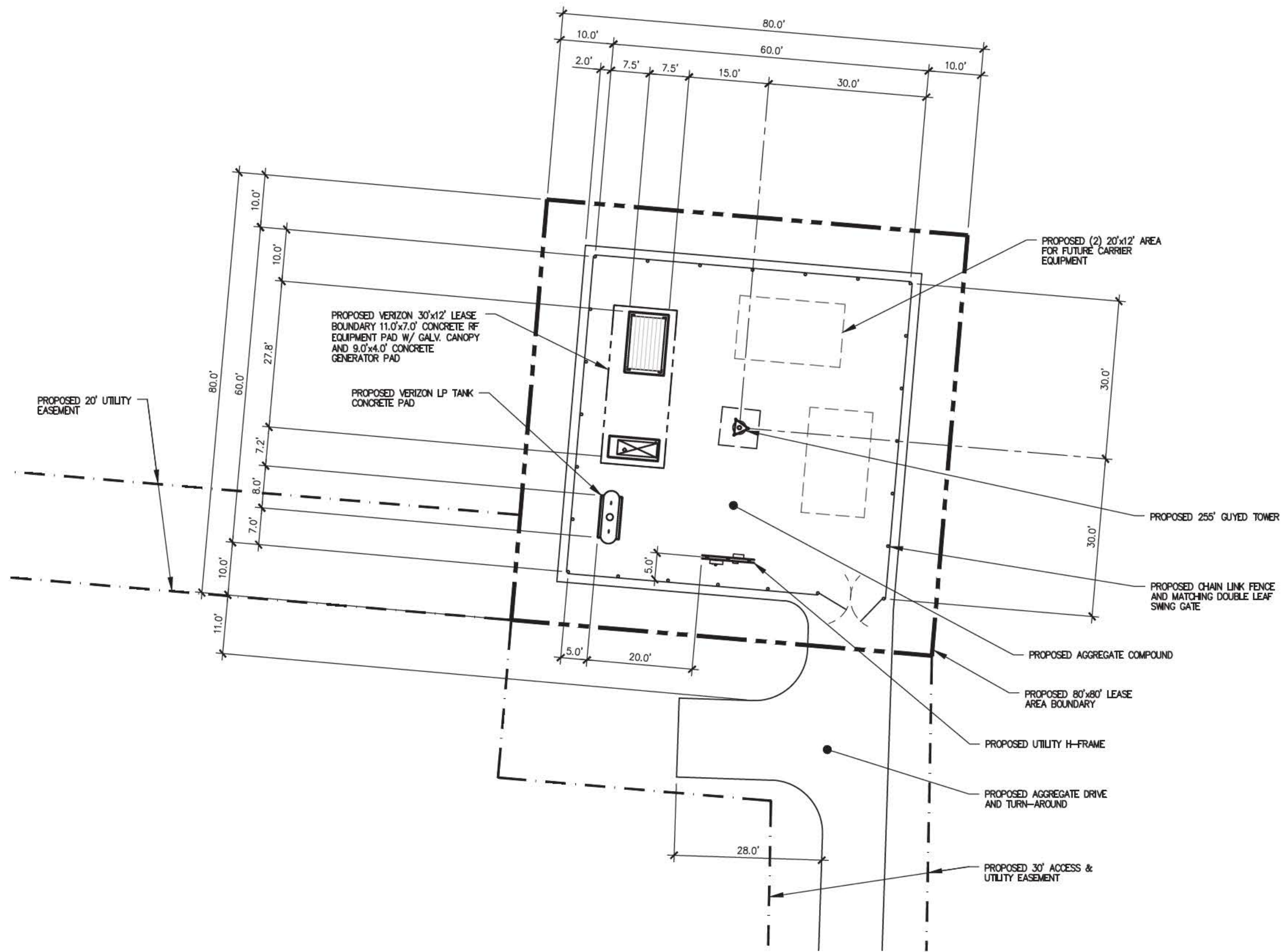
**CONDRA ROAD
SMITHLAND, KY 42081**

SHEET TITLE:

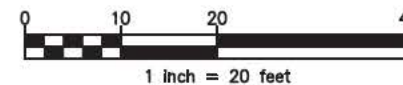
DETAILED SITE PLAN

SHEET NO.:

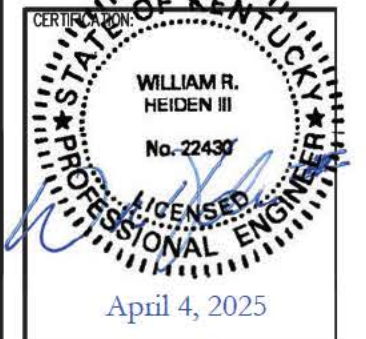
C-2A



Dimensioned Site Plan



CELLCO PARTNERSHIP, d/b/a
verizon



RELEASE	
DATE	
08-26-2024	LEASE EXHIBIT
03-31-2025	ZONING DRAWINGS

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

SITE NAME:

**KY-1824
EV SMITHLAND
SOUTH
CELL SITE**

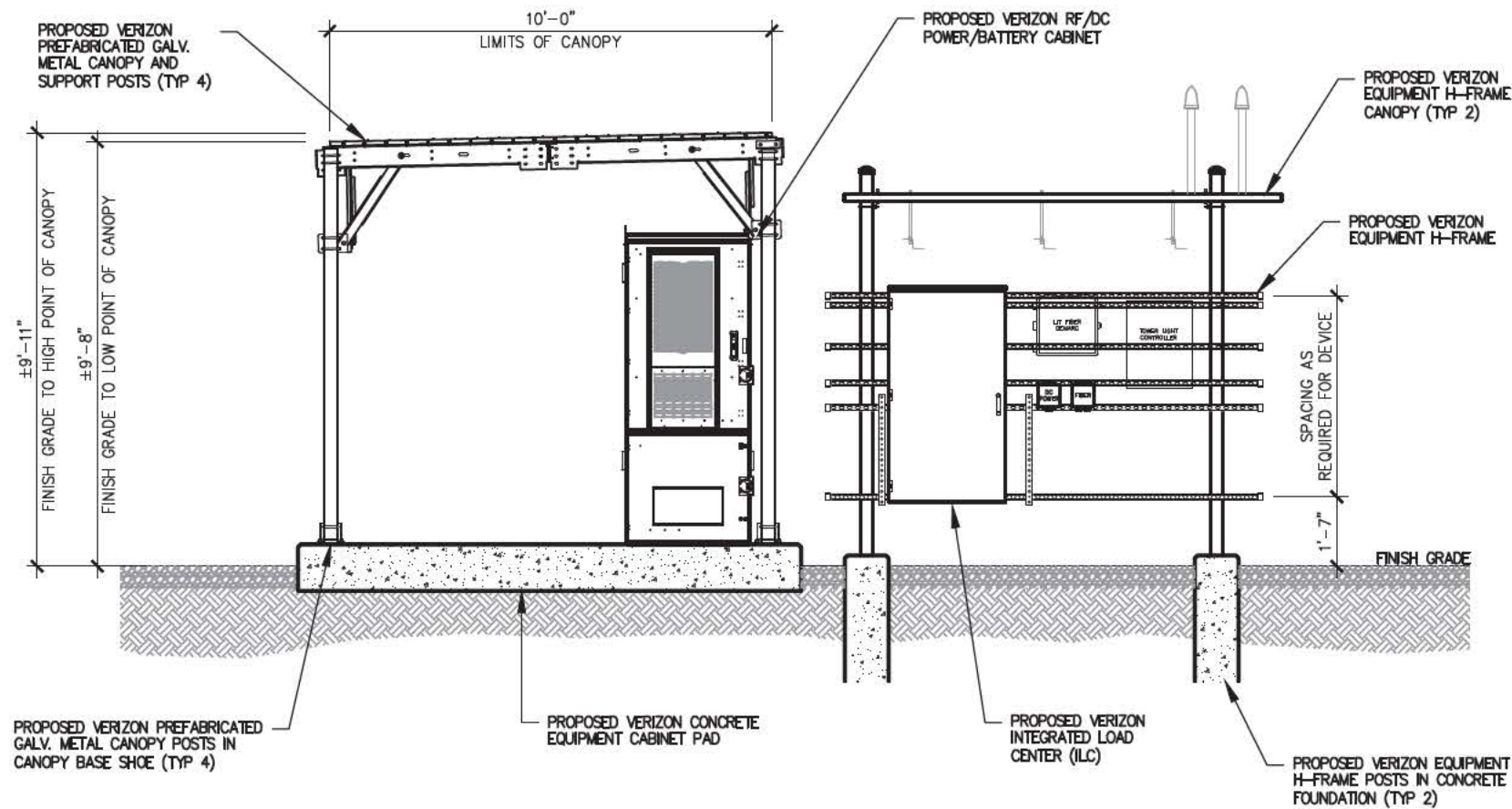
SITE ADDRESS:

**CONDRA ROAD
SMITHLAND, KY 42081**

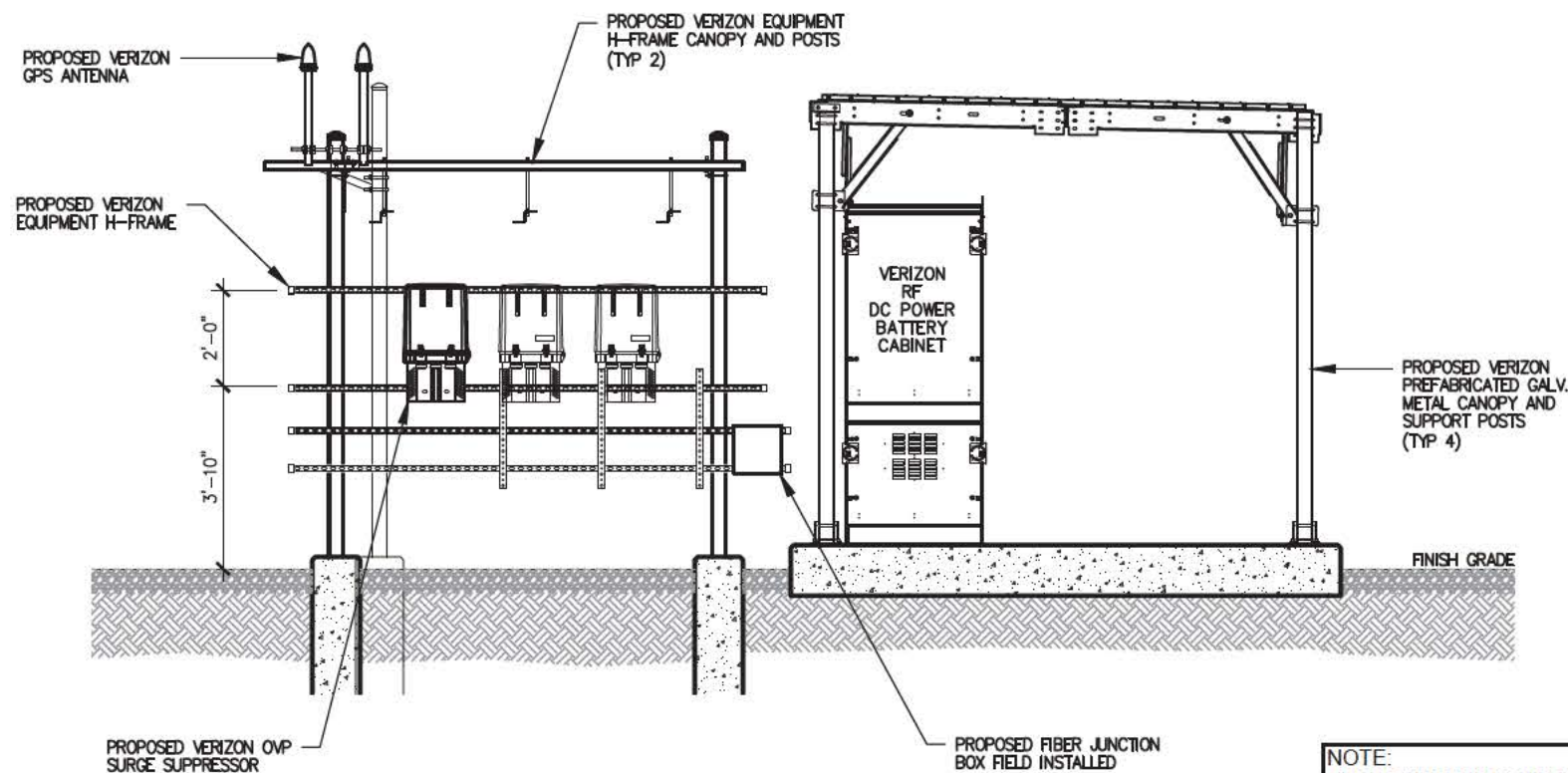
SHEET TITLE:

DIMENSIONED SITE PLAN

SHEET NO.:

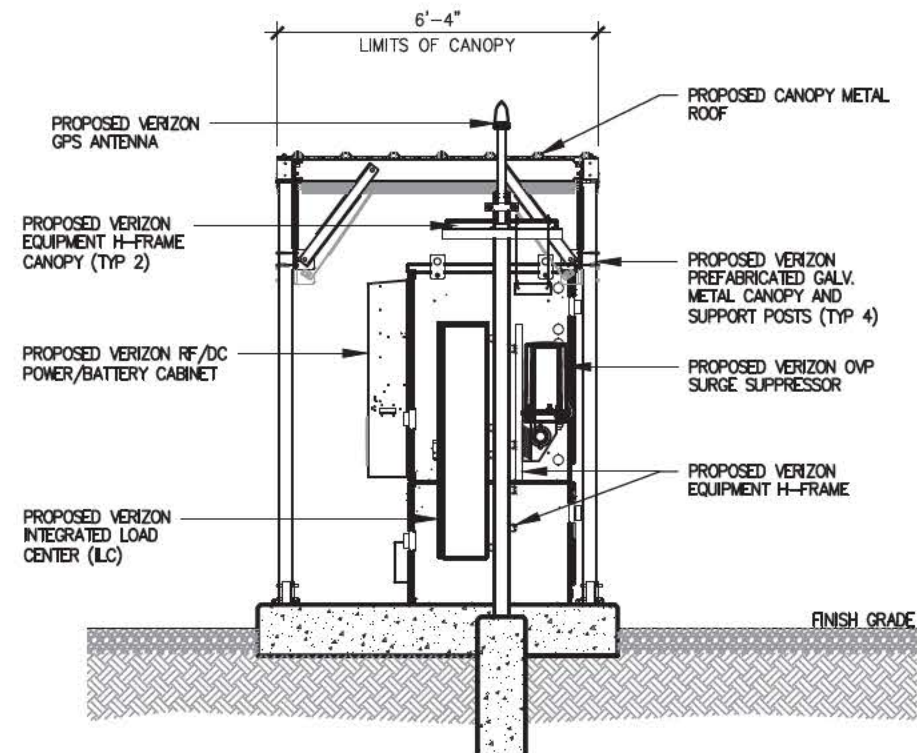


① Equipment Front Elevation
SCALE: 1/4" = 1'-0"



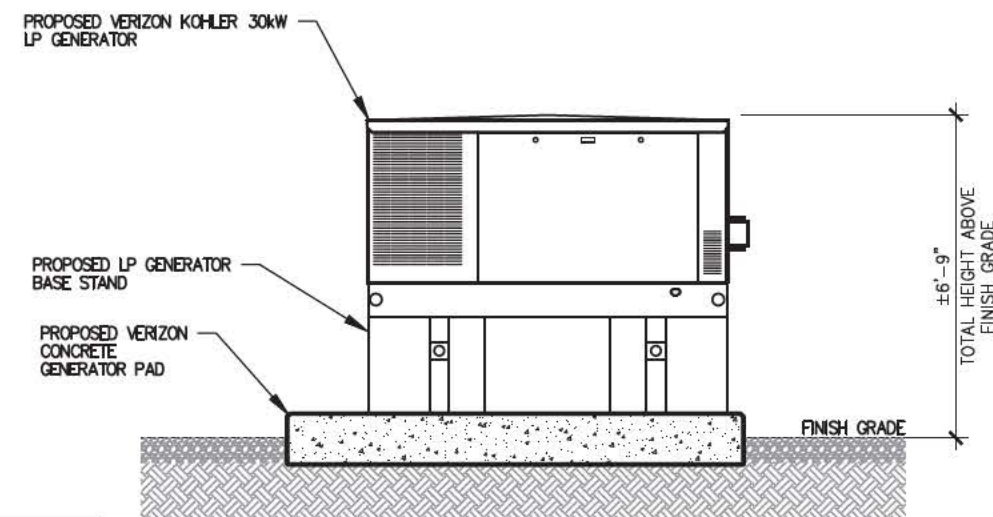
③ Equipment Rear Elevation
SCALE: 1/4" = 1'-0"

NOTE:
THE EQUIPMENT CANOPY SHOWN HAS NOT BEEN DESIGNED OR ANALYZED BY MISSION 1 COMMUNICATIONS AND HAS BEEN PROVIDED FOR REFERENCE ONLY



② Equipment Right Elevation
SCALE: 1/4" = 1'-0"

NOTE:
VERIZON WIRELESS 10'-0"x6'-3" RADIO EQUIPMENT CANOPY (CANOPY DWGS. SUPPLIED BY MANUFACTURER) - COMMSCOPE P/N 860676982-001
CANOPY ROOF PANELS R/PBR. PROVIDE 1.7lb DENSITY POLYETHYLENE FOAM PANEL CLOSURE STRIPS TO MATCH PROFILE AS MANUFACTURED BY: SEALTITE BUILDING FASTENERS "ST CLOSURE" STRIPS OR EQUAL (VERIFY PROFILE WITH ROOF PANELS SUPPLIED WITH CANOPY)



④ Generator Elevation
SCALE: 1/4" = 1'-0"

APC Towers

CELLCO PARTNERSHIP, d/b/a
verizon

MISSION 1
COMMUNICATIONS

CERTIFICATION:
STATE OF KENTUCKY
WILLIAM R. HEIDEN III
No. 22430
APRIL 4, 2025

RELEASE	DATE
08-26-2024	LEASE EXHIBIT
03-31-2025	ZONING DRAWINGS

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

SITE NAME:

**KY-1824
EV SMITHLAND
SOUTH
CELL SITE**

SITE ADDRESS:

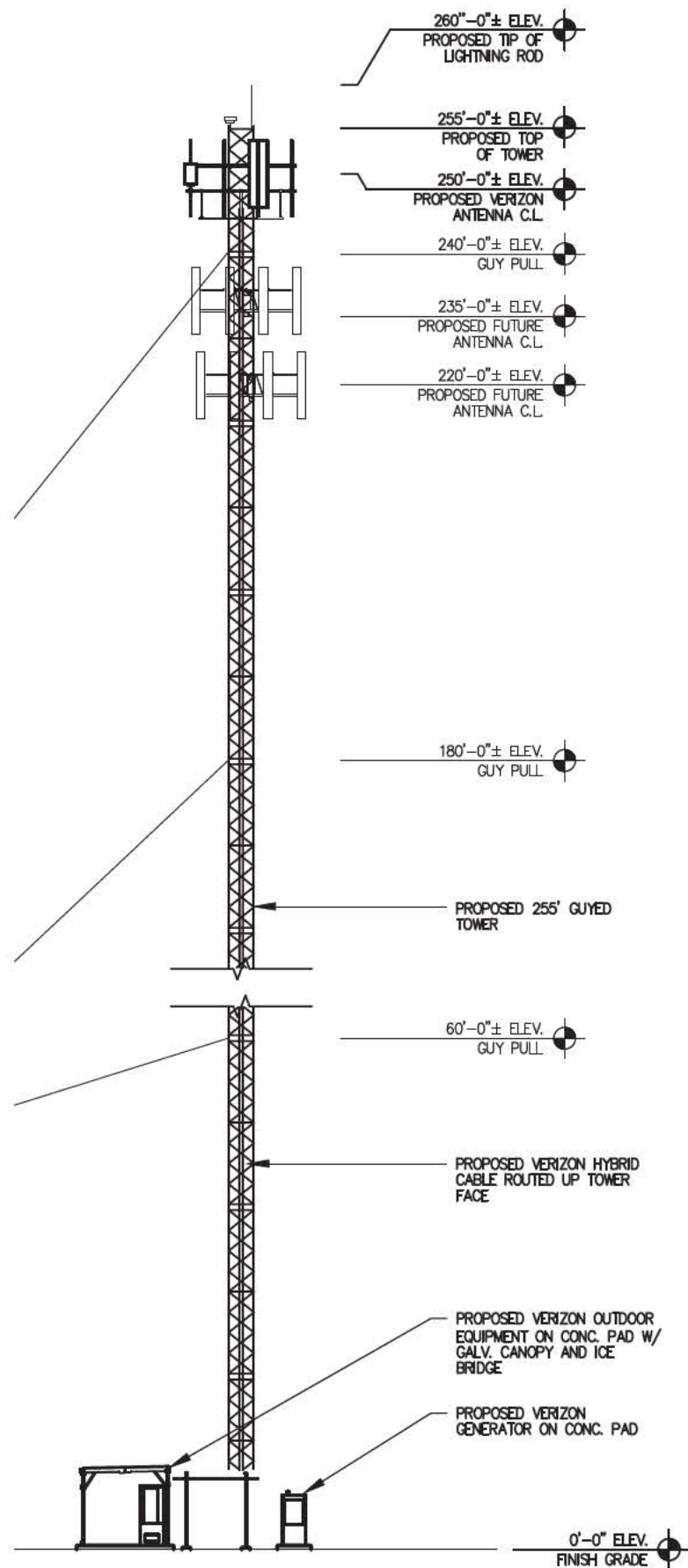
**CONDR ROAD
SMITHLAND, KY 42081**

SHEET TITLE:

**VERIZON EQUIPMENT
PAD AND CANOPY
ELEVATIONS**

SHEET NO.:

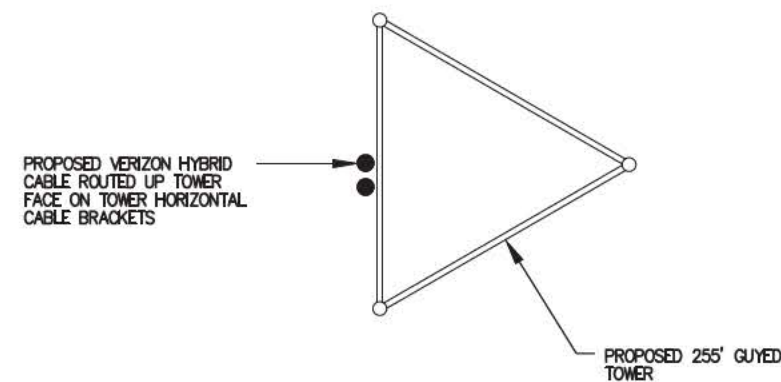
D-1



Tower Elevation
SCALE: 1" = 20'-0"

General Notes

1. VERIFY EACH COAXIAL CABLE LENGTH, ROUTING, AND ALL MOUNTING APPURTENANCES WITH OWNER PRIOR TO ORDERING.
2. COLOR CODE ALL MAIN CABLES, VERIFY COLOR CODES WITH VERIZON CONSTRUCTION MANAGER. CABLES TO BE TAGGED IN TWO (2) LOCATIONS:
A. AT OVP AT ANTENNA ELEVATION
B. AT OVP ON EQUIPMENT H-FRAME ADJACENT TO RF CABINETS
3. EACH COAX CABLE SHALL BE SUPPORTED WITH COLUMN GRIP HUNG FROM A J-HOOK AT THE TOP OF THE TOWER.
4. EACH COAX CABLE SHALL BE GROUNDED AT THREE (3) LOCATIONS:
A. TOWER PLATFORM OR T-FRAME
B. TOWER BASE
C. AT EQUIPMENT LOCATION PRIOR TO TERMINATING AT OVP MOUNTED ON EQUIPMENT H-FRAME
5. COAX CABLE TO BE SUPPORTED EVERY 3' O.C. ON PLATFORM OR T-FRAME WITH STAINLESS STEEL HANGERS.
6. COAX CABLES TO BE SUPPORTED ON THE TOWER EVERY 18" WITH STAINLESS STEEL HANGERS.
7. VERIZON COAX CABLE TO BE ROUTED UP FACE OF GUYED TOWER.
8. REFER TO STRUCTURAL ANALYSIS REPORT FOR ADDITIONAL INFORMATION PERFORMED BY:
NOT AVAILABLE AT THIS TIME OF RELEASE
9. REFER TO MOUNT ANALYSIS REPORT FOR ADDITIONAL INFORMATION PERFORMED BY:
NOT AVAILABLE AT THIS TIME OF RELEASE



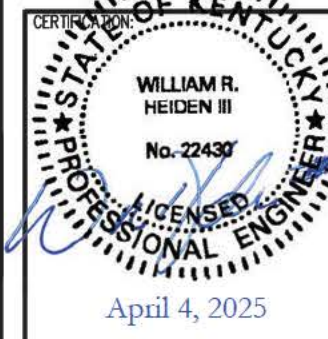
Coax Base Plan
NO SCALE



CELLCO PARTNERSHIP, d/b/a



MISSION 1
COMMUNICATIONS



RELEASE	
DATE	
08-26-2024	LEASE EXHIBIT
03-31-2025	ZONING DRAWINGS

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

SITE NAME:

**KY-1824
EV SMITHLAND
SOUTH
CELL SITE**

SITE ADDRESS:

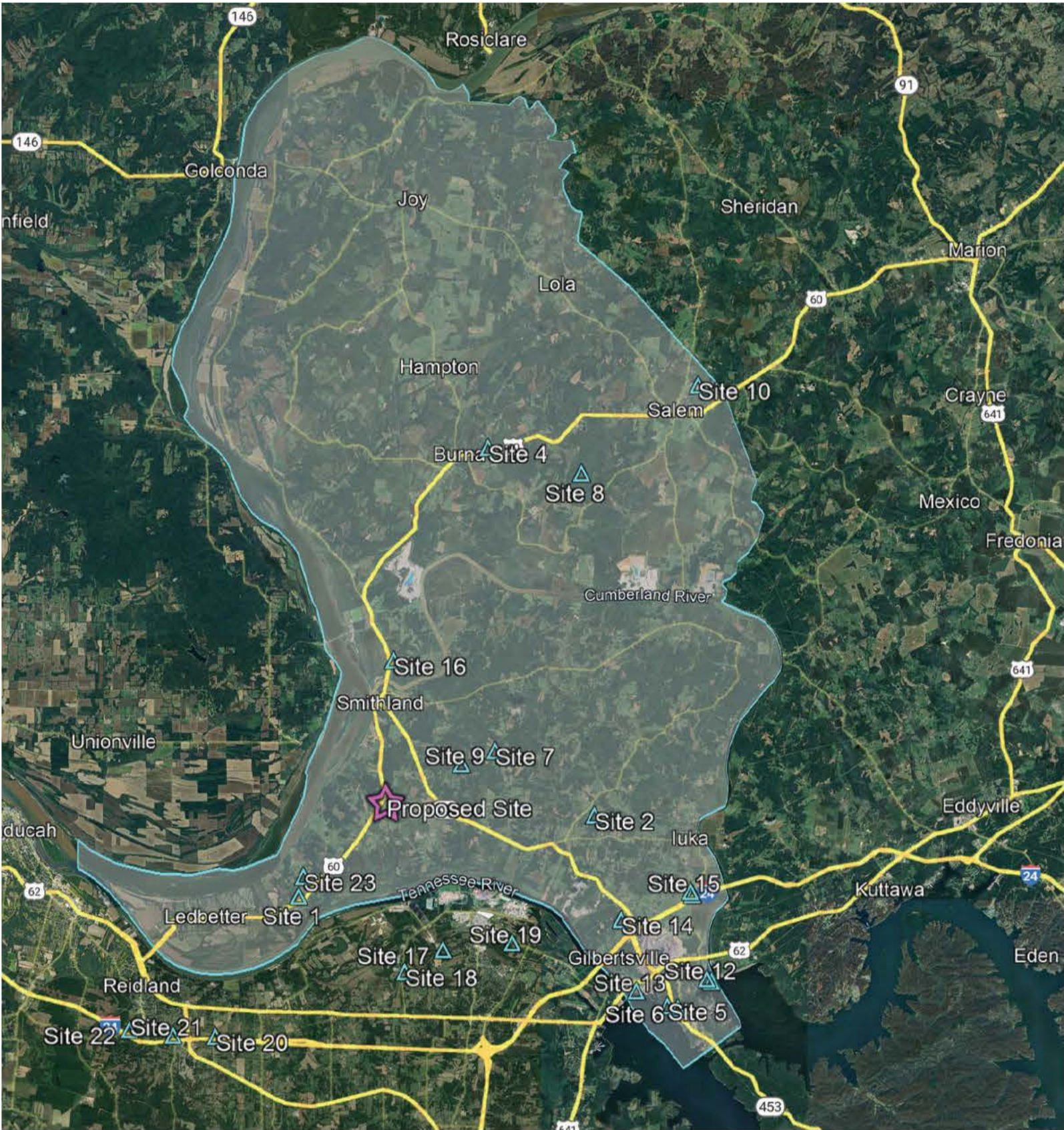
**CONDR ROAD
SMITHLAND, KY 42081**

SHEET TITLE:

**TOWER ELEVATION,
NOTES AND DETAILS**

SHEET NO.:

TE-1



Livingston County Tower Map



FCC Registered Sites (Decatur County)				
Tower	ASR Registration	Latitude	Longitude	Tower Owner
1	1039771	N37° 03' 22.7"	W088° 26' 49.1"	AMERICAN TOWERS, LLC
2	1201153	N37° 05' 27.8"	W088° 17' 17.0"	AMERICAN TOWERS, LLC
3	1222154	N37° 03' 24.5"	W088° 14' 07.3"	SBA PROPERTIES, LLC
4	1231318	N37° 14' 55.1"	W088° 20' 42.2"	CELLCO PARTNERSHIP
5	1235865	N37° 00' 33.0"	W088° 14' 56.0"	TENNESSEE VALLEY AUTHORITY
6	1241571	N37° 00' 29.5"	W088° 14' 35.9"	CITY OF GRAND RIVERS
7	1248684	N37° 07' 07.7"	W088° 20' 29.0"	CCATT, LLC
8	1261019	N37° 14' 15.7"	W088° 17' 41.3"	BIG RIVERS ELECTRIC CORPORATION
9	1271446	N37° 06' 47.2"	W088° 21' 34.1"	JIM FREELAND
10	1276270	N37° 16' 31.3"	W088° 13' 54.9"	AMERICAN TOWERS, LLC
11	1285245	N37° 01' 10.6"	W088° 13' 30.9"	US ARMY CORPS OF ENGINEERS
12	1289457	N37° 01' 14.4"	W088° 13' 39.6"	US ARMY CORPS OF ENGINEERS
13	1289476	N37° 00' 56.2"	W088° 15' 56.3"	US ARMY CORPS OF ENGINEERS
14	1298519	N37° 02' 46.2"	W088° 16' 25.4"	PI TOWER DEVELOPMENT, LLC
15	1315479	N37° 03' 29.4"	W088° 14' 10.9"	UNITI TOWERS, LLC
16	1329624	N37° 09' 27.0"	W088° 23' 45.4"	APC TOWERS IV, LLC
17	1040303	N37° 02' 00.0"	W088° 22' 10.0"	PINNACLE TOWERS, LLC
18	1053410	N37° 01' 26.0"	W088° 23' 24.0"	WITHERS BROADCASTING COMPANY OF PADUCAH, LLC
19	1306050	N37° 02' 10.8"	W088° 19' 56.2"	SKYWAY TOWERS, LLC
20	1210728	N36° 59' 45.6"	W088° 29' 30.2"	CROWN CASTLE SOUTH, LLC
21	1285786	N37° 59' 47.5"	W088° 30' 52.0"	AMERICAN TOWERS, LLC
22	1297003	N37° 59' 56.1"	W088° 32' 16.3"	SBA TOWERS X, LLC
23	1329618	N37° 03' 52.9"	W088° 26' 40.1"	APC TOWERS IV, LLC
Proposed Tower				
	PENDING	N37° 05' 47.9"	W088° 24' 00.4"	APC TOWERS IV, LLC

NOTE:
EXISTING TOWER STRUCTURES DEPICTED ARE ALL KNOWN TOWER STRUCTURES REGISTERED WITH THE FEDERAL COMMUNICATIONS COMMISSION (FCC) ANTENNA STRUCTURE REGISTRATION (ASR) IN LIVINGSTON COUNTY, KENTUCKY AS OF FEBRUARY 10, 2025.



CERTIFICATION:

FOR REFERENCE ONLY

RELEASE	DATE
08-26-2024	LEASE EXHIBIT
03-31-2025	ZONING DRAWINGS

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

SITE NAME:

KY-1824
EV SMITHLAND
SOUTH
CELL SITE

SITE ADDRESS:

CONDR ROAD
SMITHLAND, KY 42081

SHEET TITLE:

LIKE FACILITIES
GRID MAP

SHEET NO.:

EXHIBIT C

CONSTRUCTION MANAGER LETTER LIST OF QUALIFIED PROFESSIONALS TOWER AND FOUNDATION DESIGN



April 1st, 2025

Daniel J. Kunz
Senior Construction Manager
APC Towers, LLC
8601 Six Forks Road, Suite 250
Raleigh, NC 27501
www.apctowers.com

RE:

To Whom It May Concern,

APC Towers, one of the top private national tower developers in the country, is a “build to suit”, carrier-centric organization focused on developing BTS sites. APC Towers is a national tower developer whose core business is building and acquiring tower sites. In addition, APC specializes in acquiring revenue-generating towers and managing existing towers, rooftops, and real estate portfolios for commercial landlords. Backed by over 50 years of experience from our leadership team, APC Towers focuses on delivering the most value, while anticipating obstacles and finding solutions to quickly enable carriers to deploy their network and exceed timelines. Based in Raleigh, NC, APC owns, operates and provides services for sites across 37 states, with over 1,000 +- structures in its portfolio.

APC has worked with Local, State, and Federal jurisdiction as well as public and private entities, on multiple projects and we are excited to be on this project and working hand in hand and further developing our business relationship.

Please do not hesitate to contact me with any questions that you may have. My contact information can be found below.

Cordially,
Daniel J. Kunz
Senior Project Manager
APC Towers, LLC
dkunz@apctowers.com
D: (919) 249-7732
C: (919) 796-7240

List of Qualified Professionals

William R. Heiden III
Kentucky Licensed Professional
Engineer License #22430
Mission 1 Engineering PC
592 W Perry Road
Ligonier, IN 46767

Ralph M. Wallem
Kentucky Licensed Professional Land
Surveyor License #2195
Benchmark Services, Inc.
318 North Main Street
Huntingburg, IN 47542

Daniel J. Kunz
Senior Construction Manager
APC Towers, LLC
8601 Six Forks Road, Suite 250
Raleigh, NC 27501

Brad Milanowski
Kentucky Licensed Professional Engineer
License #25311
B + T Group Inc
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119

Athulya Balarkishnan
Kentucky Licensed Professional Engineer
License #39178
Environmental Corp. of America
1375 Union Hill Industrial Court, Suite A
Alpharetta, GA 30004

Antonio Ramos
Radio Frequency Engineer
Verizon Wireless
2421 Holloway Road
Louisville, KY 40299

March 28, 2025

Dan Kunz
APC Towers
3000 Aerial Senter Parkway
Suite 110
Morrisville, NC 27560



B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630
btwo@btgrp.com

Subject:	Fall Certification Letter	
Arcosa Designation:	Arcosa Project Number:	B578
	Arcosa Site Name:	EV Smithland South (KY-1824)
Engineering Firm Designation:	B+T Group Project Number:	25-001008
Site Data:	EV Smithland South (KY-1824) 255' Guyed Tower	

To Whom it May Concern:

As Requested by Arcosa Telecom Structures on behalf of APC Towers, B+T Group is pleased to submit this "Fall Certification Letter" for the 255' guyed tower to be constructed at the **EV Smithland South (KY-1824)** site.

This tower will be designed in accordance with the TIA 222-H standard for Livingston County, KY. The tower will be designed to support antennas and transmission lines for three wireless carriers. The design criteria are more particularly described as follows:

Design Wind Speed: 106mph 3-sec gust (no ice), 30mph 3-sec gust (1.5" ice)
Structure Class: II
Exposure Category: C
Topographic Category: 1

250'— Wireless Carrier 1 (CaAa= 42,000 sq in w/ (18) 1 5/8" Hybrid lines
235'— Wireless Carrier 1 (CaAa= 30,000 sq in w/ (12) 1 5/8" Hybrid lines
220'— Wireless Carrier 1 (CaAa= 30,000 sq in w/ (12) 1 5/8" Hybrid lines

Currently it is our understanding that this structure be designed such that, if a failure were to occur, the tower would fall within a radius of 50' from the base of the structure. It should be understood that communication structures are designed in accordance with strict structural standards and it is extremely rare that well maintained towers fail under normal operational conditions. However, in the highly unlikely event that this tower were to experience operational failure, the failure mode would most likely be compression buckling. In a compression buckling failure, it is reasonable to assume a structure of this type would most likely collapse and fall on itself within a radius of 50' from the base of the tower. It should be understood that this opinion does not consider unpredictable extreme catastrophic events for which the structure is not designed. However, any damage to surrounding property caused by the tower failing during such an event would be relatively insignificant when compared to the damage caused to the surrounding property by the event itself.

I hope this letter satisfies your concerns. Please let me know if I may be of further assistance.

Please contact us should you have any questions concerning the safety and design of the self support tower.

Letter prepared by: Angela Ashwood
Submitted by: B&T Engineering, Inc.

Brad R. Milanowski, P.E.

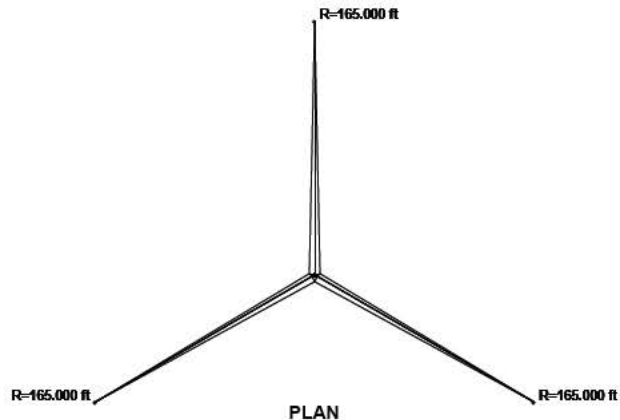


255.0 ft
245.0 ft
235.0 ft
215.0 ft
205.0 ft
195.0 ft
175.0 ft
155.0 ft
135.0 ft
132.2 ft
115.0 ft
95.0 ft
75.0 ft
65.0 ft
55.0 ft
35.0 ft
15.0 ft
5.0 ft
0.0 ft

5/8 E Modulus EHS LC=284.417 ft IT=10%
1/2 E Modulus EHS LC=282.089 ft IT=10%
1/2 E Modulus EHS LC=279.761 ft IT=10%
3/8 E Modulus EHS LC=210.086 ft IT=10%
3/8 E Modulus EHS LC=175.731 ft IT=10%

1K
168 K (Axial)
1 kip-ft (Torque)

STATE OF KENTUCKY
BRAD MILANOW
2531
PROFESSIONAL ENGINEER
LICENSED



TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod 1"x5'	255	Sector2(CaAa=10000 Sq.in)No Ice (Carrier 2)	235
Top Beacon	255		
Sector1(CaAa=14000 Sq.in)No Ice (Carrier 1)	250	Sector3(CaAa=10000 Sq.in)No Ice (Carrier 2)	235
Sector2(CaAa=14000 Sq.in)No Ice (Carrier 1)	250	Sector1(CaAa=10000 Sq.in)No Ice (Carrier 3)	220
Sector3(CaAa=14000 Sq.in)No Ice (Carrier 1)	250	Sector2(CaAa=10000 Sq.in)No Ice (Carrier 3)	220
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 2)	235	Sector3(CaAa=10000 Sq.in)No Ice (Carrier 3)	220

MARK	SIZE	MARK	SIZE
A	SR 2 1/4	C	2 @ 2.11458
B	SR 1		

GRADE	Fy	Fu	GRADE	Fy	Fu
A529-50	50 ksi	65 ksi			

1. Tower is located in Livingston County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 106 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 30 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. Please see feedline plan for proper feedline placement. Deviation from plan may reduce tower capacity.



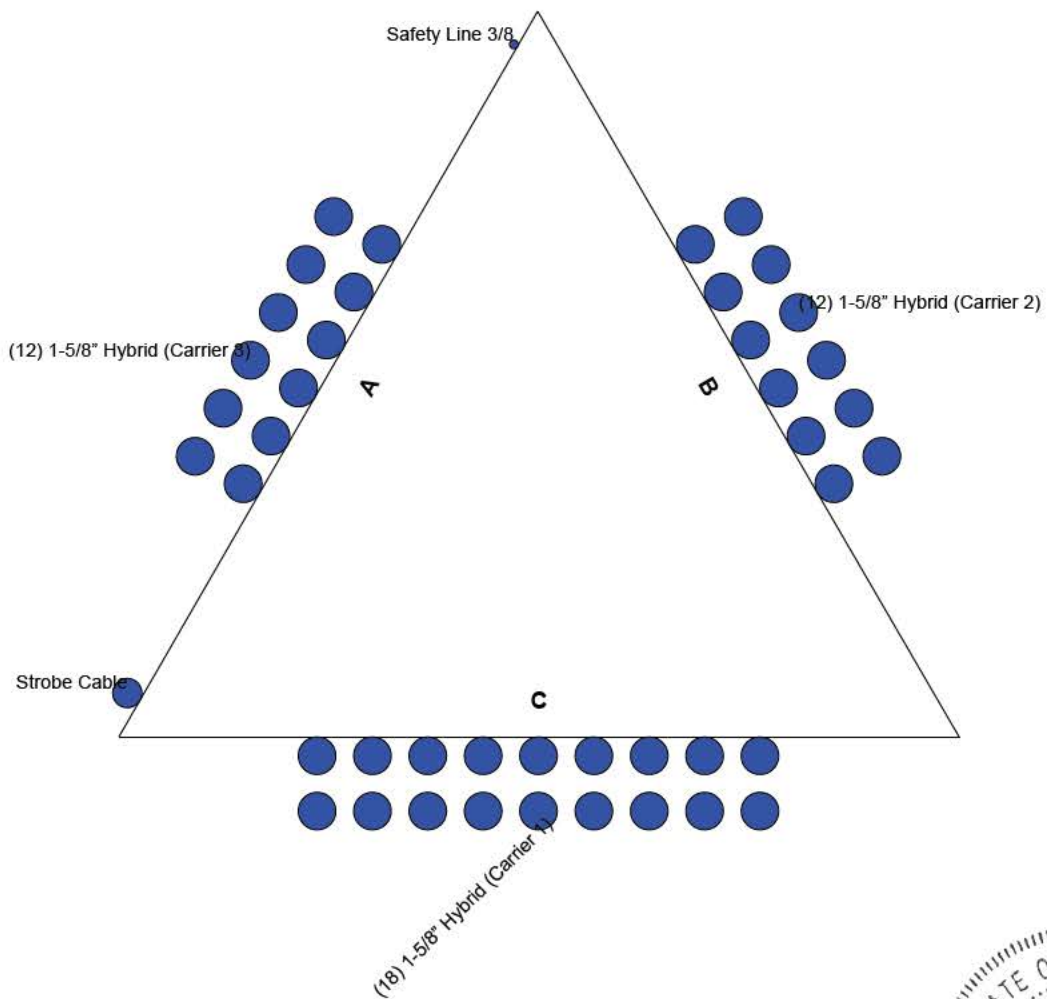
ALL REACTIONS ARE FACTORED



B+T Group, Inc.
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: ATS#: B578 - EV Smithland South (Site# KY-			
Project: 18256 36G			
Client:	APC Towers	Drawn by:	clint.coody
Code:	TIA-222-H	Date:	03/19/25
Path:			App'd:
			Scale: NTS
			Dwg No. E-1

Feed Line Plan



ARCOSA
TELECOM STRUCTURES



B+T Group, Inc.
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job:	ATS#: B578 - EV Smithland South (Site# KY-1825) 36G		
Client:	APC Towers	Drawn by:	clint.coody
Code:	TIA-222-H	Date:	03/19/25
Path:	App'd:		
		Scale:	NTS
		Dwg No.	E-7

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 1 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Tower Input Data

The main tower is a 3x guyed tower with an overall height of 255.000 ft above the ground line.

The base of the tower is set at an elevation of 0.000 ft above the ground line.

The face width of the tower is 3.000 ft at the top and tapered at the base.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower is located in Livingston County, Kentucky.

Tower base elevation above sea level: 441.000 ft.

Basic wind speed of 106 mph.

Risk Category II.

Exposure Category C.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.000 ft.

Nominal ice thickness of 1.500 in.

Ice thickness is considered to increase with height.

Ice density of 56.000 pcf.

A wind speed of 30 mph is used in combination with ice.

Temperature drop of 50.000 °F.

Deflections calculated using a wind speed of 60 mph.

Please see feedline plan for proper feedline placement. Deviation from plan may reduce tower capacity..

Pressures are calculated at each section.

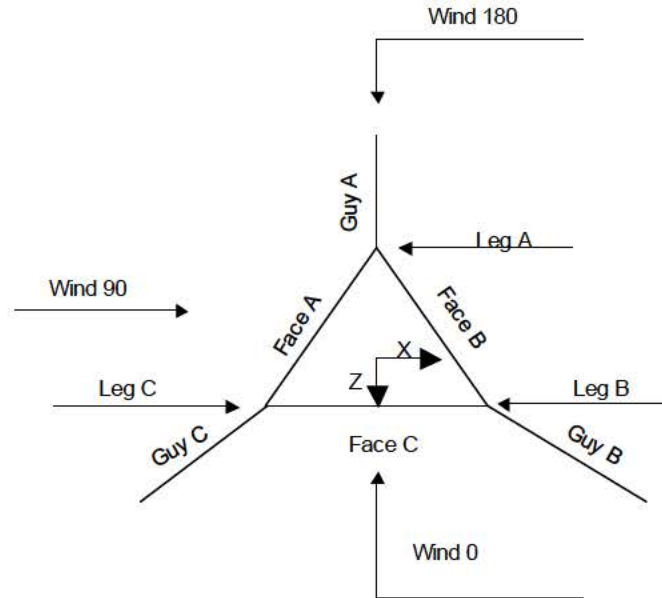
Stress ratio used in tower member design is 1.

Safety factor used in guy design is 1.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

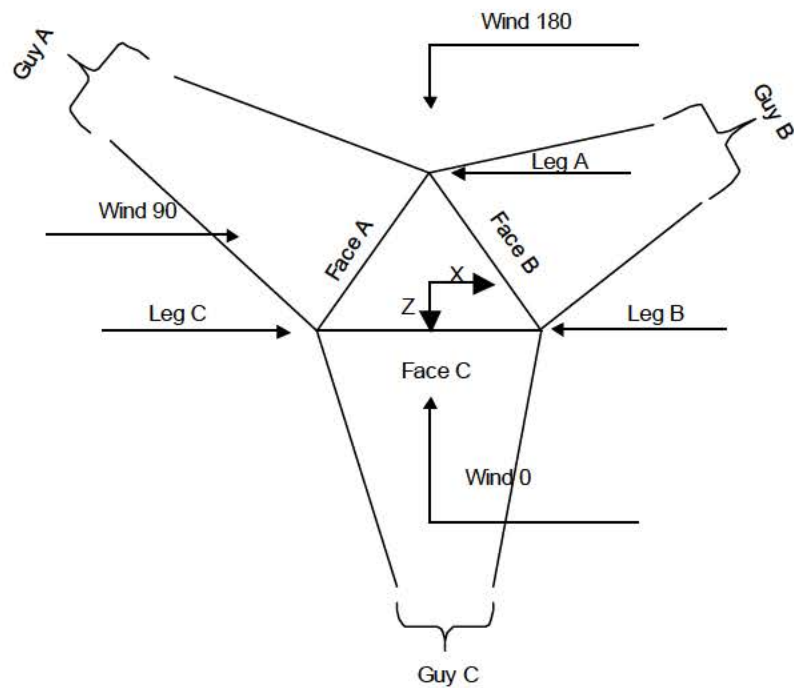
Options

Consider Moments - Legs	Assume Legs Pinned	√ Calculate Redundant Bracing Forces
Consider Moments - Horizontals	√ Assume Rigid Index Plate	Ignore Redundant Members in FEA
Consider Moments - Diagonals	√ Use Clear Spans For Wind Area	√ SR Leg Bolts Resist Compression
Use Moment Magnification	√ Use Clear Spans For KL/r	All Leg Panels Have Same Allowable
√ Use Code Stress Ratios	√ Retension Guys To Initial Tension	Offset Girt At Foundation
√ Use Code Safety Factors - Guys	√ Bypass Mast Stability Checks	√ Consider Feed Line Torque
Escalate Ice	√ Use Azimuth Dish Coefficients	√ Include Angle Block Shear Check
Always Use Max Kz	√ Project Wind Area of Appurtenances	Use TIA-222-H Bracing Resist. Exemption
Use Special Wind Profile	Alternative Appurt. EPA Calculation	Use TIA-222-H Tension Splice Exemption
√ Include Bolts In Member Capacity	√ Autocalc Torque Arm Areas	Poles
√ Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Include Shear-Torsion Interaction
√ Secondary Horizontal Braces Leg	√ Sort Capacity Reports By Component	Always Use Sub-Critical Flow
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	Use Top Mounted Sockets
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	Pole Without Linear Attachments
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	Pole With Shroud Or No Appurtenances
Distribute Leg Loads As Uniform	Use ASCE 10 X-Brace Ly Rules	Outside and Inside Corner Radii Are Known



Corner & Starmount Guyed Tower

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 3 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody



Face Guyed

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	ft			ft		ft
T1	255.000-235.000			3.000	1	20.000
T2	235.000-215.000			3.000	1	20.000
T3	215.000-195.000			3.000	1	20.000
T4	195.000-175.000			3.000	1	20.000
T5	175.000-155.000			3.000	1	20.000
T6	155.000-135.000			3.000	1	20.000
T7	135.000-115.000			3.000	1	20.000
T8	115.000-95.000			3.000	1	20.000
T9	95.000-75.000			3.000	1	20.000
T10	75.000-55.000			3.000	1	20.000
T11	55.000-35.000			3.000	1	20.000
T12	35.000-15.000			3.000	1	20.000
T13	15.000-5.000			3.000	1	10.000
T14	5.000-0.000			3.000	1	5.000

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 4 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Tower Section Geometry (cont'd)

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	ft	ft				in	in
T1	255.000-235.000	2.404	K Brace Right	No	Yes	4.625	4.625
T2	235.000-215.000	2.404	K Brace Right	No	Yes	4.625	4.625
T3	215.000-195.000	2.404	K Brace Right	No	Yes	4.625	4.625
T4	195.000-175.000	2.404	K Brace Right	No	Yes	4.625	4.625
T5	175.000-155.000	2.404	K Brace Right	No	Yes	4.625	4.625
T6	155.000-135.000	2.404	K Brace Right	No	Yes	4.625	4.625
T7	135.000-115.000	2.404	K Brace Right	No	Yes	4.625	4.625
T8	115.000-95.000	2.404	K Brace Right	No	Yes	4.625	4.625
T9	95.000-75.000	2.404	K Brace Right	No	Yes	4.625	4.625
T10	75.000-55.000	2.404	K Brace Right	No	Yes	4.625	4.625
T11	55.000-35.000	2.404	K Brace Right	No	Yes	4.625	4.625
T12	35.000-15.000	2.404	K Brace Right	No	Yes	4.625	4.625
T13	15.000-5.000	2.307	K Brace Right	No	Yes	4.625	4.625
T14	5.000-0.000	2.115	K Brace Right	No	Yes	4.625	4.625

Tower Section Geometry (cont'd)

Tower Elevation	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
ft						
T1	Solid Round	1 3/4	A529-50	Solid Round	1	A529-50
255.000-235.000			(50 ksi)			(50 ksi)
T2	Solid Round	1 3/4	A529-50	Solid Round	1 1/8	A529-50
235.000-215.000			(50 ksi)			(50 ksi)
T3	Solid Round	1 3/4	A529-50	Solid Round	1 1/8	A529-50
215.000-195.000			(50 ksi)			(50 ksi)
T4	Solid Round	1 3/4	A529-50	Solid Round	.875	A529-50
195.000-175.000			(50 ksi)			(50 ksi)
T5	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
175.000-155.000			(50 ksi)			(50 ksi)
T6	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
155.000-135.000			(50 ksi)			(50 ksi)
T7	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
135.000-115.000			(50 ksi)			(50 ksi)
T8	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
115.000-95.000			(50 ksi)			(50 ksi)
T9	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
95.000-75.000			(50 ksi)			(50 ksi)
T10	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
75.000-55.000			(50 ksi)			(50 ksi)
T11	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
55.000-35.000			(50 ksi)			(50 ksi)
T12	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
35.000-15.000			(50 ksi)			(50 ksi)
T13	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
15.000-5.000			(50 ksi)			(50 ksi)
T14	Solid Round	2 1/4	A529-50	Solid Round	1	A529-50
5.000-0.000			(50 ksi)			(50 ksi)

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	5 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Tower Section Geometry (cont'd)

<i>Tower Elevation ft</i>	<i>Top Girt Type</i>	<i>Top Girt Size</i>	<i>Top Girt Grade</i>	<i>Bottom Girt Type</i>	<i>Bottom Girt Size</i>	<i>Bottom Girt Grade</i>
T1 255.000-235.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T2 235.000-215.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T3 215.000-195.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T4 195.000-175.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T5 175.000-155.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T6 155.000-135.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T7 135.000-115.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T8 115.000-95.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T9 95.000-75.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T10 75.000-55.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T11 55.000-35.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T12 35.000-15.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T13 15.000-5.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T14 5.000-0.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)

Tower Section Geometry (cont'd)

<i>Tower Elevation ft</i>	<i>No. of Mid Girts</i>	<i>Mid Girt Type</i>	<i>Mid Girt Size</i>	<i>Mid Girt Grade</i>	<i>Horizontal Type</i>	<i>Horizontal Size</i>	<i>Horizontal Grade</i>
T1 255.000-235.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T2 235.000-215.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T3 215.000-195.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T4 195.000-175.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T5 175.000-155.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T6 155.000-135.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T7 135.000-115.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T8 115.000-95.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T9 95.000-75.000	None	Flat Bar		A36	Solid Round	3/4	A529-50

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 6 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

<i>Tower Elevation</i> <i>ft</i>	<i>No. of Mid Girts</i>	<i>Mid Girt Type</i>	<i>Mid Girt Size</i>	<i>Mid Girt Grade</i>	<i>Horizontal Type</i>	<i>Horizontal Size</i>	<i>Horizontal Grade</i>
T10 75.000-55.000	None	Flat Bar		(36 ksi) A36	Solid Round	3/4	(50 ksi) A529-50
T11 55.000-35.000	None	Flat Bar		(36 ksi) A36	Solid Round	3/4	(50 ksi) A529-50
T12 35.000-15.000	None	Flat Bar		(36 ksi) A36	Solid Round	3/4	(50 ksi) A529-50
T13 15.000-5.000	None	Flat Bar		(36 ksi) A36	Solid Round	3/4	(50 ksi) A529-50
T14 5.000-0.000	None	Flat Bar		(36 ksi) A36	Solid Round	3/4	(50 ksi) A529-50

Tower Section Geometry (*cont'd*)

<i>Tower Elevation</i> <i>ft</i>	<i>Gusset Area (per face)</i> <i>ft²</i>	<i>Gusset Thickness</i> <i>in</i>	<i>Gusset Grade</i>	<i>Adjust. Factor A_f</i>	<i>Adjust. Factor A_r</i>	<i>Weight Mult.</i>	<i>Double Angle Stitch Bolt Spacing Diagonals in</i>	<i>Double Angle Stitch Bolt Spacing Horizontals in</i>	<i>Double Angle Stitch Bolt Spacing Redundants in</i>
T1 255.000-235.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T2 235.000-215.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T3 215.000-195.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T4 195.000-175.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T5 175.000-155.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T6 155.000-135.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T7 135.000-115.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T8 115.000-95.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T9 95.000-75.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T10 75.000-55.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T11 55.000-35.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T12 35.000-15.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T13 15.000-5.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T14 5.000-0.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 7 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Tower Section Geometry (cont'd)

Tower Elevation	Calc K Single Angles	Calc K Solid Rounds	Legs	K Factors ¹						
				X Brace Diags	K Brace Diags	Single Diags	Girts	Horiz.	Sec. Horiz.	Inner Brace
				X Y	X Y	X Y	X Y	X Y	X Y	X Y
ft										
T1	No	Yes	1	1	1	1	1	1	1	1
255.000-235.000				1	1	1	1	1	1	1
T2	No	Yes	1	1	1	1	1	1	1	1
235.000-215.000				1	1	1	1	1	1	1
T3	No	Yes	1	1	1	1	1	1	1	1
215.000-195.000				1	1	1	1	1	1	1
T4	No	Yes	1	1	1	1	1	1	1	1
195.000-175.000				1	1	1	1	1	1	1
T5	No	Yes	1	1	1	1	1	1	1	1
175.000-155.000				1	1	1	1	1	1	1
T6	No	Yes	1	1	1	1	1	1	1	1
155.000-135.000				1	1	1	1	1	1	1
T7	No	Yes	1	1	1	1	1	1	1	1
135.000-115.000				1	1	1	1	1	1	1
T8	No	Yes	1	1	1	1	1	1	1	1
115.000-95.000				1	1	1	1	1	1	1
T9	No	Yes	1	1	1	1	1	1	1	1
95.000-75.000				1	1	1	1	1	1	1
T10	No	Yes	1	1	1	1	1	1	1	1
75.000-55.000				1	1	1	1	1	1	1
T11	No	Yes	1	1	1	1	1	1	1	1
55.000-35.000				1	1	1	1	1	1	1
T12	No	Yes	1	1	1	1	1	1	1	1
35.000-15.000				1	1	1	1	1	1	1
T13	No	Yes	1	1	1	1	1	1	1	1
15.000-5.000				1	1	1	1	1	1	1
T14	No	Yes	1	1	1	1	1	1	1	1
5.000-0.000				1	1	1	1	1	1	1

¹Note: K factors are applied to member segment lengths. K-braces without inner supporting members will have the K factor in the out-of-plane direction applied to the overall length.

Tower Section Geometry (cont'd)

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 8 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 255.000-235.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T2 235.000-215.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T3 215.000-195.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T4 195.000-175.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T5 175.000-155.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T6 155.000-135.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T7 135.000-115.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T8 115.000-95.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T9 95.000-75.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T10 75.000-55.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T11 55.000-35.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T12 35.000-15.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T13 15.000-5.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T14 5.000-0.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical	Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	Net Width Deduct in	U	Net Width Deduct in	U
T1 255.000-235.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 9 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical	Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	Net Width Deduct in	U	Net Width Deduct in	U
T2 235.000-215.0 00	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
T3 215.000-195.0 00	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
T4 195.000-175.0 00	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
T5 175.000-155.0 00	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
T6 155.000-135.0 00	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
T7 135.000-115.0 00	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
T8 115.000-95.00 0	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.75 (1)	0.000	0.75 (1)

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 10 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical	Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	Net Width Deduct in	U	Net Width Deduct in	U
T9 95.000-75.000	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)	
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
T10 75.000-55.000	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)	
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
T11 55.000-35.000	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)	
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
T12 35.000-15.000	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)	
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
T13 15.000-5.000	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)	
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
T14 5.000-0.000	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)	
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 11 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

	0.000	0.75 (3)	0.000	0.75 (3)				0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)				0.000	0.75 (4)	0.000	0.75 (4)

Tower Section Geometry (cont'd)

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1 255.000-235.000	Flange	0.750 A325N	0	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T2 235.000-215.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T3 215.000-195.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T4 195.000-175.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T5 175.000-155.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T6 155.000-135.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T7 135.000-115.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T8 115.000-95.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T9 95.000-75.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T10 75.000-55.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T11 55.000-35.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T12 35.000-15.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T13 15.000-5.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T14 5.000-0.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0

Guy Data

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	12 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Guy Elevation	Guy Grade	Guy Size	Initial Tension	%	Guy Modulus	Guy Weight	L _u	Anchor Radius	Anchor Azimuth Adj.	Anchor Elevation	End Fitting Efficiency
ft			K		ksi	plf	ft	ft	°	ft	%
65	EHS	A 3/8	1.540	10%	21000.000	0.273	175.574	165.000	0.000	0.000	100%
		B EModulus	1.540	10%	21000.000	0.273	175.574	165.000	0.000	0.000	100%
		C 3/8	1.540	10%	21000.000	0.273	175.574	165.000	0.000	0.000	100%
132.211	EHS	EModulus 3/8									
		A 3/8	1.540	10%	21000.000	0.273	209.897	165.000	0.000	0.000	100%
		B EModulus	1.540	10%	21000.000	0.273	209.897	165.000	0.000	0.000	100%
205	EHS	C 3/8	1.540	10%	21000.000	0.273	209.897	165.000	0.000	0.000	100%
		EModulus 3/8									
		A 1/2	2.690	10%	21000.000	0.517	261.870	165.000	0.000	0.000	100%
245	EHS	B EModulus	2.690	10%	21000.000	0.517	261.870	165.000	0.000	0.000	100%
		C 1/2	2.690	10%	21000.000	0.517	261.870	165.000	0.000	0.000	100%
		EModulus 1/2									
245	EHS	A 5/8	4.240	10%	21000.000	0.813	294.171	165.000	0.000	0.000	100%
		B EModulus	4.240	10%	21000.000	0.813	294.171	165.000	0.000	0.000	100%
		C 5/8	4.240	10%	21000.000	0.813	294.171	165.000	0.000	0.000	100%
		EModulus 5/8									

Guy Data(cont'd)

Guy Elevation	Mount Type	Torque-Arm Spread	Torque-Arm Leg Angle	Torque-Arm Style	Torque-Arm Grade	Torque-Arm Type	Torque-Arm Size
ft		ft	°				
65	Corner						
132.211	Corner						
205	Torque Arm	6.000	0.000	Channel	A529-50 (50 ksi)	Channel	C12x20.7
245	Corner						

Guy Data (cont'd)

Guy Elevation	Diagonal Grade	Diagonal Type	Upper Diagonal Size	Lower Diagonal Size	Is Strap.	Pull-Off Grade	Pull-Off Type	Pull-Off Size
ft								
65.000	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8
132.211	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8
205.000	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8
245.000	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	13 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Guy Data (cont'd)

Guy Elevation	Cable Weight A	Cable Weight B	Cable Weight C	Cable Weight D	Tower Intercept A	Tower Intercept B	Tower Intercept C	Tower Intercept D
ft	K	K	K	K	ft	ft	ft	ft
65	0.048	0.048	0.048		2.719	2.719	2.719	
132.211	0.057	0.057	0.057		2.8 sec/pulse	2.8 sec/pulse	2.8 sec/pulse	
205	0.135	0.135	0.135		3.864	3.864	3.864	
245	0.239	0.239	0.239		3.4 sec/pulse	3.4 sec/pulse	3.4 sec/pulse	
					6.469	6.469	6.469	
					4.4 sec/pulse	4.4 sec/pulse	4.4 sec/pulse	
					8.114	8.114	8.114	
					4.9 sec/pulse	4.9 sec/pulse	4.9 sec/pulse	

Guy Data (cont'd)

Guy Elevation ft	Calc K Single Angles	Calc K Solid Rounds	Torque Arm		Pull Off		Diagonal	
			K _x	K _y	K _x	K _y	K _x	K _y
65	No	No			0.8	0.8	1	1
132.211	No	No			0.8	0.8	1	1
205	No	No	1	1	0.8	0.8	1	1
245	No	No			0.8	0.8	1	1

Guy Data (cont'd)

Guy Elevation ft	Torque-Arm				Pull Off				Diagonal			
	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U
65	0.625 A325N	0	0.000	0.75	0.625 A325N	0	0.000	1	0.625 A325N	0	0.000	1
132.211	0.000 A325N	0	0.000	0.75	0.625 A325N	0	0.000	1	0.625 A325N	0	0.000	1
205	0.000 A325N	0	0.000	0.75	0.625 A325N	0	0.000	1	0.625 A325N	0	0.000	1
245	0.000 A325N	0	0.000	0.75	0.625 A325N	0	0.000	1	0.625 A325N	0	0.000	1

Guy Pressures

Guy Elevation ft	Guy Location	z ft	q _z ksf	q _z Ice ksf	Ice Thickness in
65	A	32.500	0.024	0.002	1.498

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	14 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Guy Elevation ft	Guy Location	z ft	q _z ksf	q _z Ice ksf	Ice Thickness in
132.211	B	32.500	0.024	0.002	1.498
	C	32.500	0.024	0.002	1.498
	A	66.105	0.028	0.002	1.608
	B	66.105	0.028	0.002	1.608
	C	66.105	0.028	0.002	1.608
205	A	102.500	0.031	0.002	1.680
	B	102.500	0.031	0.002	1.680
	C	102.500	0.031	0.002	1.680
245	A	122.500	0.032	0.003	1.710
	B	122.500	0.032	0.003	1.710
	C	122.500	0.032	0.003	1.710

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight klf
1-5/8" Hybrid (Carrier 1) **	C	No	No	Ar (CaAa)	250.000 - 10.000	0.000	0	18	9	0.750	1.625		0.001
1-5/8" Hybrid (Carrier 2) **	B	No	No	Ar (CaAa)	235.000 - 10.000	0.000	0	12	6	0.750	1.625		0.001
1-5/8" Hybrid (Carrier 3) **	A	No	No	Ar (CaAa)	220.000 - 10.000	0.000	0	12	6	0.750	1.625		0.001
Safety Line 3/8	A	No	No	Ar (CaAa)	255.000 - 10.000	0.000	0.45	1	1	0.375	0.375		0.000
Strobe Cable **	A	No	No	Ar (CaAa)	255.000 - 10.000	0.000	-0.45	1	1	1.250	1.250		0.001

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _{AA} ft ² /ft	Weight klf
**								

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
T1	255.000-235.000	A	0.000	0.000	3.250	0.000	0.018
		B	0.000	0.000	0.000	0.000	0.000

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 15 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

<i>Tower Section</i>	<i>Tower Elevation ft</i>	<i>Face</i>	<i>A_R</i> <i>ft²</i>	<i>A_F</i> <i>ft²</i>	<i>C_AA_A</i> <i>In Face ft²</i>	<i>C_AA_A</i> <i>Out Face ft²</i>	<i>Weight K</i>
T2	235.000-215.000	C	0.000	0.000	43.875	0.000	0.281
		A	0.000	0.000	13.000	0.000	0.081
		B	0.000	0.000	39.000	0.000	0.250
T3	215.000-195.000	C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
T4	195.000-175.000	C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
T5	175.000-155.000	C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
T6	155.000-135.000	C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
T7	135.000-115.000	C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
T8	115.000-95.000	C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
T9	95.000-75.000	C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
T10	75.000-55.000	C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
T11	55.000-35.000	C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
T12	35.000-15.000	C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
T13	15.000-5.000	C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	10.562	0.000	0.067
		B	0.000	0.000	9.750	0.000	0.062
T14	5.000-0.000	C	0.000	0.000	14.625	0.000	0.094
		A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000

Feed Line/Linear Appurtenances Section Areas - With Ice

<i>Tower Section</i>	<i>Tower Elevation ft</i>	<i>Face or Leg</i>	<i>Ice Thickness in</i>	<i>A_R</i> <i>ft²</i>	<i>A_F</i> <i>ft²</i>	<i>C_AA_A</i> <i>In Face ft²</i>	<i>C_AA_A</i> <i>Out Face ft²</i>	<i>Weight K</i>
T1	255.000-235.000	A	1.833	0.000	0.000	17.914	0.000	0.255
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	47.760	0.000	1.114
T2	235.000-215.000	A	1.817	0.000	0.000	29.514	0.000	0.509
		B		0.000	0.000	46.897	0.000	1.027
		C		0.000	0.000	63.582	0.000	1.478
T3	215.000-195.000	A	1.801	0.000	0.000	64.441	0.000	1.270
		B		0.000	0.000	46.786	0.000	1.021
		C		0.000	0.000	63.477	0.000	1.471
T4	195.000-175.000	A	1.782	0.000	0.000	64.172	0.000	1.259
		B		0.000	0.000	46.665	0.000	1.015
		C		0.000	0.000	63.361	0.000	1.462

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	16 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

<i>Tower Section</i>	<i>Tower Elevation ft</i>	<i>Face or Leg</i>	<i>Ice Thickness in</i>	<i>A_R ft²</i>	<i>A_F ft²</i>	<i>C_AA_A In Face ft²</i>	<i>C_AA_A Out Face ft²</i>	<i>Weight K</i>
T5	175.000-155.000	A	1.762	0.000	0.000	63.876	0.000	1.248
		B		0.000	0.000	46.531	0.000	1.008
		C		0.000	0.000	63.234	0.000	1.453
T6	155.000-135.000	A	1.739	0.000	0.000	63.546	0.000	1.235
		B		0.000	0.000	46.382	0.000	1.000
		C		0.000	0.000	63.093	0.000	1.443
T7	135.000-115.000	A	1.714	0.000	0.000	63.172	0.000	1.221
		B		0.000	0.000	46.213	0.000	0.991
		C		0.000	0.000	62.933	0.000	1.431
T8	115.000-95.000	A	1.684	0.000	0.000	62.740	0.000	1.205
		B		0.000	0.000	46.018	0.000	0.981
		C		0.000	0.000	62.747	0.000	1.417
T9	95.000-75.000	A	1.649	0.000	0.000	62.227	0.000	1.186
		B		0.000	0.000	45.786	0.000	0.969
		C		0.000	0.000	62.528	0.000	1.401
T10	75.000-55.000	A	1.605	0.000	0.000	61.591	0.000	1.162
		B		0.000	0.000	45.499	0.000	0.954
		C		0.000	0.000	62.255	0.000	1.382
T11	55.000-35.000	A	1.547	0.000	0.000	60.747	0.000	1.131
		B		0.000	0.000	45.119	0.000	0.935
		C		0.000	0.000	61.894	0.000	1.356
T12	35.000-15.000	A	1.459	0.000	0.000	59.461	0.000	1.085
		B		0.000	0.000	44.539	0.000	0.905
		C		0.000	0.000	61.345	0.000	1.316
T13	15.000-5.000	A	1.331	0.000	0.000	14.401	0.000	0.255
		B		0.000	0.000	10.926	0.000	0.216
		C		0.000	0.000	15.139	0.000	0.315
T14	5.000-0.000	A	1.159	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000

Feed Line Center of Pressure

<i>Section</i>	<i>Elevation</i>	<i>CP_x</i>	<i>CP_z</i>	<i>CP_x</i>	<i>CP_z</i>
	<i>ft</i>	<i>in</i>	<i>in</i>	<i>Ice in</i>	<i>Ice in</i>
T1	255.000-235.000	-0.628	2.516	-0.924	0.640
T2	235.000-215.000	0.825	-1.139	0.090	-0.601
T3	215.000-195.000	-0.384	-2.174	-0.691	-1.207
T4	195.000-175.000	-0.402	-2.278	-0.750	-1.323
T5	175.000-155.000	-0.404	-2.294	-0.758	-1.347
T6	155.000-135.000	-0.404	-2.294	-0.760	-1.360
T7	135.000-115.000	-0.391	-2.217	-0.720	-1.297
T8	115.000-95.000	-0.404	-2.294	-0.763	-1.390
T9	95.000-75.000	-0.404	-2.294	-0.765	-1.410
T10	75.000-55.000	-0.391	-2.217	-0.728	-1.360
T11	55.000-35.000	-0.404	-2.294	-0.767	-1.466
T12	35.000-15.000	-0.404	-2.294	-0.768	-1.514
T13	15.000-5.000	-0.330	-1.809	-0.542	-1.090
T14	5.000-0.000	0.000	0.000	0.000	0.000

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 17 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Shielding Factor Ka

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
T1	1	1-5/8" Hybrid	235.00 - 250.00	0.6000	0.4103
T1	7	Safety Line 3/8	235.00 - 255.00	0.6000	0.4103
T1	8	Strobe Cable	235.00 - 255.00	0.6000	0.4103
T2	1	1-5/8" Hybrid	215.00 - 235.00	0.6000	0.4354
T2	3	1-5/8" Hybrid	215.00 - 235.00	0.6000	0.4354
T2	5	1-5/8" Hybrid	215.00 - 220.00	0.6000	0.4354
T2	7	Safety Line 3/8	215.00 - 235.00	0.6000	0.4354
T2	8	Strobe Cable	215.00 - 235.00	0.6000	0.4354
T3	1	1-5/8" Hybrid	195.00 - 215.00	0.6000	0.4126
T3	3	1-5/8" Hybrid	195.00 - 215.00	0.6000	0.4126
T3	5	1-5/8" Hybrid	195.00 - 215.00	0.6000	0.4126
T3	7	Safety Line 3/8	195.00 - 215.00	0.6000	0.4126
T3	8	Strobe Cable	195.00 - 215.00	0.6000	0.4126
T4	1	1-5/8" Hybrid	175.00 - 195.00	0.6000	0.4514
T4	3	1-5/8" Hybrid	175.00 - 195.00	0.6000	0.4514
T4	5	1-5/8" Hybrid	175.00 - 195.00	0.6000	0.4514
T4	7	Safety Line 3/8	175.00 - 195.00	0.6000	0.4514
T4	8	Strobe Cable	175.00 - 195.00	0.6000	0.4514
T5	1	1-5/8" Hybrid	155.00 - 175.00	0.6000	0.4600
T5	3	1-5/8" Hybrid	155.00 - 175.00	0.6000	0.4600
T5	5	1-5/8" Hybrid	155.00 - 175.00	0.6000	0.4600
T5	7	Safety Line 3/8	155.00 - 175.00	0.6000	0.4600
T5	8	Strobe Cable	155.00 - 175.00	0.6000	0.4600
T6	1	1-5/8" Hybrid	135.00 - 155.00	0.6000	0.4646
T6	3	1-5/8" Hybrid	135.00 - 155.00	0.6000	0.4646
T6	5	1-5/8" Hybrid	135.00 - 155.00	0.6000	0.4646
T6	7	Safety Line 3/8	135.00 - 155.00	0.6000	0.4646
T6	8	Strobe Cable	135.00 - 155.00	0.6000	0.4646
T7	1	1-5/8" Hybrid	115.00 - 135.00	0.6000	0.4441
T7	3	1-5/8" Hybrid	115.00 -	0.6000	0.4441

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 18 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
T7	5	1-5/8" Hybrid	135.00 115.00 - 135.00	0.6000	0.4441
T7	7	Safety Line 3/8	115.00 - 135.00	0.6000	0.4441
T7	8	Strobe Cable	115.00 - 135.00	0.6000	0.4441
T8	1	1-5/8" Hybrid	95.00 - 115.00	0.6000	0.4759
T8	3	1-5/8" Hybrid	95.00 - 115.00	0.6000	0.4759
T8	5	1-5/8" Hybrid	95.00 - 115.00	0.6000	0.4759
T8	7	Safety Line 3/8	95.00 - 115.00	0.6000	0.4759
T8	8	Strobe Cable	95.00 - 115.00	0.6000	0.4759
T9	1	1-5/8" Hybrid	75.00 - 95.00	0.6000	0.4831
T9	3	1-5/8" Hybrid	75.00 - 95.00	0.6000	0.4831
T9	5	1-5/8" Hybrid	75.00 - 95.00	0.6000	0.4831
T9	7	Safety Line 3/8	75.00 - 95.00	0.6000	0.4831
T9	8	Strobe Cable	75.00 - 95.00	0.6000	0.4831
T10	1	1-5/8" Hybrid	55.00 - 75.00	0.6000	0.4670
T10	3	1-5/8" Hybrid	55.00 - 75.00	0.6000	0.4670
T10	5	1-5/8" Hybrid	55.00 - 75.00	0.6000	0.4670
T10	7	Safety Line 3/8	55.00 - 75.00	0.6000	0.4670
T10	8	Strobe Cable	55.00 - 75.00	0.6000	0.4670
T11	1	1-5/8" Hybrid	35.00 - 55.00	0.6000	0.5042
T11	3	1-5/8" Hybrid	35.00 - 55.00	0.6000	0.5042
T11	5	1-5/8" Hybrid	35.00 - 55.00	0.6000	0.5042
T11	7	Safety Line 3/8	35.00 - 55.00	0.6000	0.5042
T11	8	Strobe Cable	35.00 - 55.00	0.6000	0.5042
T12	1	1-5/8" Hybrid	15.00 - 35.00	0.6000	0.5227
T12	3	1-5/8" Hybrid	15.00 - 35.00	0.6000	0.5227
T12	5	1-5/8" Hybrid	15.00 - 35.00	0.6000	0.5227
T12	7	Safety Line 3/8	15.00 - 35.00	0.6000	0.5227
T12	8	Strobe Cable	15.00 - 35.00	0.6000	0.5227
T13	1	1-5/8" Hybrid	10.00 - 15.00	0.6000	0.5395
T13	3	1-5/8" Hybrid	10.00 - 15.00	0.6000	0.5395
T13	5	1-5/8" Hybrid	10.00 - 15.00	0.6000	0.5395
T13	7	Safety Line 3/8	10.00 - 15.00	0.6000	0.5395
T13	8	Strobe Cable	10.00 - 15.00	0.6000	0.5395

Discrete Tower Loads

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert</i> <i>ft ft ft</i>	<i>Azimuth Adjustment</i> <i>°</i>	<i>Placement</i> <i>ft</i>		<i>C_{AA} Front</i> <i>ft²</i>	<i>C_{AA} Side</i> <i>ft²</i>	<i>Weight</i> <i>K</i>
Lightning Rod 1"x5'	C	From Leg	0.000	0.000	255.000	No Ice	1.000	1.000	0.040
			0.000			1/2" Ice	2.017	2.017	0.049
			3.000			1" Ice	3.050	3.050	0.065
						2" Ice	5.148	5.148	0.116
Top Beacon	B	From Leg	0.000	0.000	255.000	No Ice	2.700	2.700	0.050
			0.000			1/2" Ice	3.100	3.100	0.070
			1.000			1" Ice	3.500	3.500	0.090
						2" Ice	4.300	4.300	0.130

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 19 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
**									
Sector1(CaAa=14000 Sq.in)No Ice (Carrier 1)	A	From Leg	4.000 0.000 0.000	0.000	250.000	No Ice 1/2" Ice 1" Ice 2" Ice	97.222 121.528 145.834 194.446	65.139 81.423 97.707 130.275	0.700 1.400 2.100 3.500
Sector2(CaAa=14000 Sq.in)No Ice (Carrier 1)	B	From Leg	4.000 0.000 0.000	0.000	250.000	No Ice 1/2" Ice 1" Ice 2" Ice	97.222 121.528 145.834 194.446	65.139 81.423 97.707 130.275	0.700 1.400 2.100 3.500
Sector3(CaAa=14000 Sq.in)No Ice (Carrier 1)	C	From Leg	4.000 0.000 0.000	0.000	250.000	No Ice 1/2" Ice 1" Ice 2" Ice	97.222 121.528 145.834 194.446	65.139 81.423 97.707 130.275	0.700 1.400 2.100 3.500
**									
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 2)	A	From Leg	4.000 0.000 0.000	0.000	235.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 2)	B	From Leg	4.000 0.000 0.000	0.000	235.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
Sector3(CaAa=10000 Sq.in)No Ice (Carrier 2)	C	From Leg	4.000 0.000 0.000	0.000	235.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
**									
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 3)	A	From Leg	4.000 0.000 0.000	0.000	220.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 3)	B	From Leg	4.000 0.000 0.000	0.000	220.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
Sector3(CaAa=10000 Sq.in)No Ice (Carrier 3)	C	From Leg	4.000 0.000 0.000	0.000	220.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
**									

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice+1.0 Guy
3	1.2 Dead+1.0 Wind 30 deg - No Ice+1.0 Guy
4	1.2 Dead+1.0 Wind 60 deg - No Ice+1.0 Guy
5	1.2 Dead+1.0 Wind 90 deg - No Ice+1.0 Guy
6	1.2 Dead+1.0 Wind 120 deg - No Ice+1.0 Guy

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	20 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Comb. No.	Description
7	1.2 Dead+1.0 Wind 150 deg - No Ice+1.0 Guy
8	1.2 Dead+1.0 Wind 180 deg - No Ice+1.0 Guy
9	1.2 Dead+1.0 Wind 210 deg - No Ice+1.0 Guy
10	1.2 Dead+1.0 Wind 240 deg - No Ice+1.0 Guy
11	1.2 Dead+1.0 Wind 270 deg - No Ice+1.0 Guy
12	1.2 Dead+1.0 Wind 300 deg - No Ice+1.0 Guy
13	1.2 Dead+1.0 Wind 330 deg - No Ice+1.0 Guy
14	1.2 Dead+1.0 Ice+1.0 Temp+Guy
15	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy
16	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy
17	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy
18	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy
19	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy
20	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy
21	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy
22	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy
23	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy
24	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy
25	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy
26	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy
27	Dead+Wind 0 deg - Service+Guy
28	Dead+Wind 30 deg - Service+Guy
29	Dead+Wind 60 deg - Service+Guy
30	Dead+Wind 90 deg - Service+Guy
31	Dead+Wind 120 deg - Service+Guy
32	Dead+Wind 150 deg - Service+Guy
33	Dead+Wind 180 deg - Service+Guy
34	Dead+Wind 210 deg - Service+Guy
35	Dead+Wind 240 deg - Service+Guy
36	Dead+Wind 270 deg - Service+Guy
37	Dead+Wind 300 deg - Service+Guy
38	Dead+Wind 330 deg - Service+Guy

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T1	255 - 235	Leg	Max Tension	9	9.799	-0.011	0.022
			Max. Compression	3	-18.767	0.104	-0.253
			Max. Mx	5	-8.297	-0.373	-0.003
			Max. My	13	-18.227	-0.067	-0.335
			Max. Vy	5	2.249	-0.167	0.014
			Max. Vx	3	-2.203	-0.072	0.152
		Diagonal	Max Tension	5	7.554	0.000	0.000
			Max. Compression	11	-7.562	0.000	0.000
			Max. Mx	20	-0.204	0.014	0.000
			Max. My	5	-0.846	0.000	-0.000
			Max. Vy	20	-0.014	0.000	0.000
			Max. Vx	5	0.000	0.000	0.000
		Horizontal	Max Tension	7	2.598	0.000	0.000
			Max. Compression	9	-2.639	0.000	0.000
			Max. Mx	21	0.069	0.009	0.000
			Max. My	11	2.587	0.000	0.000
			Max. Vy	21	0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Top Girt	Max Tension	9	0.080	0.000	0.000
			Max. Compression	3	-0.083	0.000	0.000
			Max. Mx	21	-0.004	0.009	0.000

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	21 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T2	235 - 215	Bottom Girt	Max. My	11	0.044	0.000	0.000
			Max. Vy	21	0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	5	1.481	0.000	0.000
			Max. Compression	11	-1.361	0.000	0.000
			Max. Mx	21	-0.040	0.009	0.000
			Max. My	11	0.314	0.000	0.000
			Max. Vy	21	0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Guy A	Bottom Tension	9	23.198		
			Top Tension	9	23.393		
			Top Cable Vert	9	19.512		
			Top Cable Norm	9	12.904		
			Top Cable Tan	9	0.067		
		Guy B	Bot Cable Vert	9	-19.099		
			Bot Cable Norm	9	13.165		
			Bot Cable Tan	9	0.285		
			Bottom Tension	13	22.928		
			Top Tension	13	23.122		
		Guy C	Top Cable Vert	13	19.289		
			Top Cable Norm	13	12.751		
			Top Cable Tan	13	0.062		
			Bot Cable Vert	13	-18.875		
			Bot Cable Norm	13	13.012		
		Top Guy Pull-Off	Bot Cable Tan	13	0.280		
			Bottom Tension	3	23.155		
			Top Tension	3	23.349		
			Top Cable Vert	3	19.476		
			Top Cable Norm	3	12.879		
		Leg	Top Cable Tan	3	0.066		
			Bot Cable Vert	3	-19.063		
			Bot Cable Norm	3	13.141		
			Bot Cable Tan	3	0.284		
			Max Tension	9	6.262	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	21	1.578	0.026	0.000
			Max. My	11	0.492	0.000	0.000
			Max. Vy	21	-0.035	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Diagonal	Max Tension	8	8.592	0.105	1.110
			Max. Compression	2	-39.143	-0.066	0.012
			Max. Mx	5	-33.398	1.549	-0.526
			Max. My	9	-34.141	-0.384	1.597
			Max. Vy	5	3.987	0.012	-0.061
		Horizontal	Max. Vx	9	4.035	-0.384	1.597
			Max Tension	11	12.203	0.000	0.000
			Max. Compression	5	-12.391	0.000	0.000
			Max. Mx	20	0.574	0.015	0.000
			Max. My	11	1.486	0.000	0.000
		Top Girt	Max. Vy	20	-0.016	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	3	1.743	0.000	0.000
			Max. Compression	9	-1.574	0.000	0.000
			Max. Mx	21	0.008	0.008	0.000
			Max. My	11	0.234	0.000	0.000
			Max. Vy	21	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	11	1.727	0.000	0.000
			Max. Compression	5	-1.748	0.000	0.000
			Max. Mx	21	-0.028	0.008	0.000
			Max. My	11		1.727	0.000	0.000

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	22 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T3	215 - 195	Bottom Girt	Max. Vy	21	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	5	4.578	0.000	0.000
			Max. Compression	11	-3.959	0.000	0.000
			Max. Mx	21	0.303	0.008	0.000
		Leg	Max. My	11	-3.959	0.000	0.000
			Max. Vy	21	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	8	36.242	0.008	-0.004
			Max. Compression	2	-71.752	0.188	0.007
		Diagonal	Max. Mx	11	11.121	1.556	-0.443
			Max. My	3	3.886	-0.447	1.562
			Max. Vy	5	3.990	-1.525	0.407
			Max. Vx	9	4.041	0.479	-1.515
			Max Tension	5	12.274	0.000	0.000
		Horizontal	Max. Compression	11	-12.418	0.000	0.000
			Max. Mx	22	1.824	0.015	0.000
			Max. My	5	0.599	0.000	-0.000
			Max. Vy	22	-0.016	0.000	0.000
			Max. Vx	5	0.000	0.000	0.000
		Top Girt	Max Tension	3	1.265	0.000	0.000
			Max. Compression	9	-1.237	0.000	0.000
			Max. Mx	21	0.204	0.008	0.000
			Max. My	11	1.134	0.000	0.000
			Max. Vy	21	0.011	0.000	0.000
		Bottom Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	11	4.044	0.000	0.000
			Max. Compression	5	-4.529	0.000	0.000
			Max. Mx	21	-0.195	0.008	0.000
			Max. My	11	4.044	0.000	0.000
		Guy A	Max. Vy	21	0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	13	1.967	0.000	0.000
			Max. Compression	7	-1.938	0.000	0.000
			Max. Mx	21	-0.012	0.008	0.000
		Guy B	Max. My	11	0.520	0.000	0.000
			Max. Vy	21	0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Bottom Tension	9	14.300		
			Top Tension	9	14.403		
		Guy C	Top Cable Vert	9	11.307		
			Top Cable Norm	9	8.923		
			Top Cable Tan	9	0.022		
			Bot Cable Vert	9	-11.050		
			Bot Cable Norm	9	9.075		
		Guy B	Bot Cable Tan	9	0.160		
			Bottom Tension	13	14.151		
			Top Tension	13	14.255		
			Top Cable Vert	13	11.192		
			Top Cable Norm	13	8.828		
		Guy C	Top Cable Tan	13	0.020		
			Bot Cable Vert	13	-10.934		
			Bot Cable Norm	13	8.981		
			Bot Cable Tan	13	0.158		
			Bottom Tension	3	14.313		
		Guy C	Top Tension	3	14.416		
			Top Cable Vert	3	11.317		
			Top Cable Norm	3	8.931		
			Top Cable Tan	3	0.022		
			Bot Cable Vert	3	-11.060		
			Bot Cable Norm	3		9.084	

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	23 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T4	195 - 175	Top Guy Pull-Off	Bot Cable Tan	3	0.160		
			Max Tension	3	7.160	0.000	0.000
			Max. Compression	9	-6.998	0.000	0.000
			Max. Mx	21	1.121	0.026	0.000
			Max. My	11	-3.852	0.000	0.000
			Max. Vy	21	-0.035	0.000	0.000
		Torque Arm Top	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	3	10.007	0.000	0.000
			Max. Compression	3	-4.899	0.000	0.000
			Max. Mx	9	0.640	-34.347	-0.000
			Max. My	11	-1.601	-15.801	-0.000
			Max. Vy	9	11.486	-34.347	-0.000
		Leg	Max. Vx	11	-0.000	-15.801	-0.000
			Max Tension	4	3.543	-0.000	0.050
			Max. Compression	2	-58.336	-0.148	-0.539
			Max. Mx	11	-18.845	-0.621	-0.029
			Max. My	7	-20.276	0.342	0.661
			Max. Vy	5	-1.551	-0.111	-0.025
		Diagonal	Max. Vx	13	1.761	0.037	0.114
			Max Tension	13	3.619	0.000	0.000
			Max. Compression	7	-3.919	0.000	0.000
			Max. Mx	18	-0.356	0.012	0.000
			Max. My	11	1.966	0.000	0.000
			Max. Vy	18	-0.012	0.000	0.000
		Horizontal	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	7	0.661	0.000	0.000
			Max. Compression	13	-0.410	0.000	0.000
			Max. Mx	23	0.178	0.008	0.000
			Max. My	11	-0.095	0.000	0.000
			Max. Vy	14	0.011	0.000	0.000
		Top Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	7	1.992	0.000	0.000
			Max. Compression	13	-1.770	0.000	0.000
			Max. Mx	21	0.167	0.008	0.000
			Max. My	11	-0.369	0.000	0.000
			Max. Vy	21	0.011	0.000	0.000
		Bottom Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	13	1.286	0.000	0.000
			Max. Compression	7	-1.203	0.000	0.000
			Max. Mx	23	0.163	0.008	0.000
			Max. My	11	0.135	0.000	0.000
			Max. Vy	14	0.011	0.000	0.000
T5	175 - 155	Leg	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	10	-40.076	-0.153	0.219
			Max. Mx	11	-20.955	-0.426	-0.022
			Max. My	7	-22.757	0.227	0.449
			Max. Vy	5	-0.999	-0.093	-0.011
		Diagonal	Max. Vx	13	1.118	0.041	0.087
			Max Tension	13	2.409	0.000	0.000
			Max. Compression	7	-2.680	0.000	0.000
			Max. Mx	18	-0.175	0.010	0.000
			Max. My	11	1.193	0.000	0.000
			Max. Vy	18	-0.011	0.000	0.000
		Horizontal	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	7	0.510	0.000	0.000
			Max. Compression	13	-0.249	0.000	0.000
			Max. Mx	23	0.195	0.008	0.000
			Max. My	11	0.041	0.000	0.000
			Max. Vy	23	0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	24 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T6	155 - 135	Top Girt	Max Tension	7	1.238	0.000	0.000
			Max. Compression	13	-1.068	0.000	0.000
			Max. Mx	23	0.000	0.008	0.000
			Max. My	11	0.044	0.000	0.000
			Max. Vy	14	-0.011	0.000	0.000
		Bottom Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	13	0.597	0.000	0.000
			Max. Compression	7	-0.438	0.000	0.000
			Max. Mx	23	0.125	0.008	0.000
			Max. My	11	-0.341	0.000	0.000
		Leg	Max. Vy	23	0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	10	-40.790	0.052	0.087
			Max. Mx	13	-34.551	-0.396	-0.273
		Diagonal	Max. My	9	-35.301	-0.040	0.467
			Max. Vy	5	0.871	0.040	-0.082
			Max. Vx	9	1.007	0.048	0.079
			Max Tension	7	2.640	0.000	0.000
			Max. Compression	13	-3.085	0.000	0.000
		Horizontal	Max. Mx	24	-0.163	0.010	0.000
			Max. My	16	-0.299	0.000	0.000
			Max. Vy	24	-0.011	0.000	0.000
			Max. Vx	16	-0.000	0.000	0.000
			Max Tension	13	0.515	0.000	0.000
T7	135 - 115	Top Girt	Max. Compression	7	-0.185	0.000	0.000
			Max. Mx	14	0.193	0.008	0.000
			Max. My	11	0.191	0.000	0.000
			Max. Vy	14	0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Bottom Girt	Max Tension	7	0.594	0.000	0.000
			Max. Compression	13	-0.456	0.000	0.000
			Max. Mx	23	0.043	0.008	0.000
			Max. My	11	0.526	0.000	0.000
			Max. Vy	23	0.011	0.000	0.000
		Leg	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	13	1.068	0.000	0.000
			Max. Compression	7	-0.923	0.000	0.000
			Max. Mx	19	0.063	0.008	0.000
			Max. My	11	-0.807	0.000	0.000
		Diagonal	Max. Vy	19	0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	21	-45.360	-0.138	0.002
			Max. Mx	5	-29.031	-0.380	-0.046
		Horizontal	Max. My	3	-19.911	-0.087	0.429
			Max. Vy	5	0.878	-0.298	0.049
			Max. Vx	9	1.019	0.135	-0.314
			Max Tension	13	2.829	0.000	0.000
			Max. Compression	7	-3.073	0.000	0.000
		Top Girt	Max. Mx	16	-0.463	0.010	0.000
			Max. My	16	-0.187	0.000	0.000
			Max. Vy	16	-0.010	0.000	0.000
			Max. Vx	16	-0.000	0.000	0.000
			Max Tension	3	0.598	0.000	0.000
		Bottom Girt	Max. Compression	1	0.000	0.000	0.000
			Max. Mx	25	0.229	0.008	0.000
			Max. My	13	0.139	0.000	-0.000
			Max. Vy	25	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Leg	Max Tension	7	1.090	0.000	0.000
			Max. Compression	7	-0.923	0.000	0.000
			Max. Mx	19	0.063	0.008	0.000
			Max. My	11	-0.807	0.000	0.000
			Max. Vy	19	0.011	0.000	0.000
		Diagonal	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	21	-45.360	-0.138	0.002
			Max. Mx	5	-29.031	-0.380	-0.046
			Max. My	3	-19.911	-0.087	0.429
		Horizontal	Max. Vy	5	0.878	-0.298	0.049
			Max. Vx	9	1.019	0.135	-0.314
			Max Tension	13	2.829	0.000	0.000
			Max. Compression	7	-3.073	0.000	0.000
			Max. Mx	16	-0.463	0.010	0.000
		Top Girt	Max. My	16	-0.187	0.000	0.000
			Max. Vy	16	-0.010	0.000	0.000
			Max. Vx	16	-0.000	0.000	0.000
			Max Tension	3	0.598	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
		Bottom Girt	Max. Mx	25	0.229	0.008	0.000
			Max. My	13	0.139	0.000	-0.000
			Max. Vy	25	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	7	1.090	0.000	0.000

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	25 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T8	115 - 95	Bottom Girt	Max. Compression	13	-0.964	0.000	0.000
			Max. Mx	19	0.114	0.008	0.000
			Max. My	11	0.967	0.000	0.000
			Max. Vy	19	0.010	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	13	0.940	0.000	0.000
			Max. Compression	7	-0.784	0.000	0.000
			Max. Mx	25	0.057	0.008	0.000
			Max. My	13	-0.250	0.000	-0.000
			Max. Vy	25	0.010	0.000	0.000
		Guy A	Max. Vx	13	0.000	0.000	0.000
			Bottom Tension	9	8.186		
			Top Tension	9	8.221		
			Top Cable Vert	9	5.198		
			Top Cable Norm	9	6.370		
			Top Cable Tan	9	0.009		
			Bot Cable Vert	9	-5.082		
			Bot Cable Norm	9	6.417		
			Bot Cable Tan	9	0.078		
		Guy B	Bottom Tension	13	8.187		
			Top Tension	13	8.222		
			Top Cable Vert	13	5.198		
			Top Cable Norm	13	6.370		
			Top Cable Tan	13	0.009		
			Bot Cable Vert	13	-5.082		
			Bot Cable Norm	13	6.417		
			Bot Cable Tan	13	0.078		
		Guy C	Bottom Tension	3	8.195		
			Top Tension	3	8.230		
			Top Cable Vert	3	5.203		
			Top Cable Norm	3	6.377		
			Top Cable Tan	3	0.010		
			Bot Cable Vert	3	-5.087		
			Bot Cable Norm	3	6.424		
			Bot Cable Tan	3	0.079		
		Top Guy Pull-Off	Max Tension	3	3.384	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	25	1.454	0.025	0.000
			Max. My	11	2.986	0.000	0.000
			Max. Vy	25	-0.033	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Leg	Max Tension	1	0.000	0.000	0.000
			Max. Compression	21	-48.327	-0.145	0.002
			Max. Mx	11	-29.070	-0.366	-0.022
			Max. My	7	-30.817	0.175	0.360
			Max. Vy	5	-0.767	-0.088	0.002
			Max. Vx	13	0.778	0.051	0.075
		Diagonal	Max Tension	2	1.390	0.000	0.000
			Max. Compression	7	-1.649	0.000	0.000
			Max. Mx	16	-0.181	0.010	0.000
			Max. My	16	-0.331	0.000	0.000
			Max. Vy	16	0.010	0.000	0.000
			Max. Vx	16	0.000	0.000	0.000
		Horizontal	Max Tension	7	0.464	0.000	0.000
			Max. Compression	13	-0.152	0.000	0.000
			Max. Mx	25	0.188	0.008	0.000
			Max. My	13	0.315	0.000	-0.000
			Max. Vy	25	-0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Top Girt	Max Tension	7	0.825	0.000	0.000
			Max. Compression	13		-0.692	0.000	0.000

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	26 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T9	95 - 75	Bottom Girt	Max. Mx	25	0.120	0.008	0.000
			Max. My	13	0.320	0.000	-0.000
			Max. Vy	25	-0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	5	0.320	0.000	0.000
			Max. Compression	3	-0.168	0.000	0.000
			Max. Mx	14	0.115	0.008	0.000
			Max. My	13	0.310	0.000	-0.000
			Max. Vy	14	-0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Leg	Max Tension	1	0.000	0.000	0.000
			Max. Compression	21	-49.073	-0.151	0.001
			Max. Mx	5	-28.356	0.365	-0.134
			Max. My	8	-25.439	0.004	0.424
			Max. Vy	5	0.823	0.048	-0.081
			Max. Vx	2	-0.936	-0.104	-0.005
			Max Tension	3	2.143	0.000	0.000
			Max. Compression	9	-2.615	0.000	0.000
			Max. Mx	16	0.097	0.010	0.000
			Max. My	13	0.737	0.000	0.000
		Diagonal	Max. Vy	16	0.010	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
			Max Tension	8	0.494	0.000	0.000
			Max. Compression	2	-0.181	0.000	0.000
			Max. Mx	14	0.213	0.007	0.000
			Max. My	13	0.480	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Horizontal	Max Tension	3	0.388	0.000	0.000
			Max. Compression	13	-0.242	0.000	0.000
			Max. Mx	14	0.073	0.007	0.000
			Max. My	13	-0.242	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Top Girt	Max Tension	3	0.388	0.000	0.000
			Max. Compression	13	-0.242	0.000	0.000
			Max. Mx	14	0.073	0.007	0.000
			Max. My	13	-0.242	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Bottom Girt	Max Tension	2	0.972	0.000	0.000
			Max. Compression	8	-0.798	0.000	0.000
			Max. Mx	14	0.117	0.007	0.000
			Max. My	13	0.867	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
T10	75 - 55	Leg	Max Tension	1	0.000	0.000	0.000
			Max. Compression	21	-52.868	-0.163	0.001
			Max. Mx	5	-33.038	-0.358	-0.028
			Max. My	2	-39.726	0.018	0.445
			Max. Vy	5	0.830	-0.272	-0.025
			Max. Vx	2	-0.938	-0.063	0.356
		Diagonal	Max Tension	9	2.397	0.000	0.000
			Max. Compression	9	-2.753	0.000	0.000
			Max. Mx	16	-0.572	0.009	0.000
			Max. My	13	0.901	0.000	0.000
			Max. Vy	16	-0.010	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
		Horizontal	Max Tension	7	0.615	0.000	0.000
			Max. Compression	8	-0.045	0.000	0.000
			Max. Mx	14	0.242	0.007	0.000
			Max. My	13	0.034	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Top Girt	Max Tension	8	1.010	0.000	0.000
			Max. Compression	2	-0.906	0.000	0.000
			Max. Mx	14	0.075	0.007	0.000

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	27 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T11	55 - 35	Bottom Girt	Max. My	13	-0.780	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	8	0.948	0.000	0.000
			Max. Compression	2	-0.729	0.000	0.000
			Max. Mx	14	0.134	0.007	0.000
			Max. My	13	-0.580	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Guy A	Bottom Tension	7	7.163		
			Top Tension	7	7.180		
			Top Cable Vert	7	2.679		
			Top Cable Norm	7	6.662		
			Top Cable Tan	7	0.005		
		Guy B	Bot Cable Vert	7	-2.607		
			Bot Cable Norm	7	6.671		
			Bot Cable Tan	7	0.045		
			Bottom Tension	13	7.171		
			Top Tension	13	7.189		
		Guy C	Top Cable Vert	13	2.682		
			Top Cable Norm	13	6.670		
			Top Cable Tan	13	0.005		
			Bot Cable Vert	13	-2.610		
			Bot Cable Norm	13	6.679		
		Top Guy Pull-Off	Bot Cable Tan	13	0.045		
			Bottom Tension	3	7.157		
			Top Tension	3	7.174		
			Top Cable Vert	3	2.676		
			Top Cable Norm	3	6.656		
		Leg	Top Cable Tan	3	0.006		
			Bot Cable Vert	3	-2.605		
			Bot Cable Norm	3	6.666		
			Bot Cable Tan	3	0.046		
			Max Tension	7	3.478	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	14	1.908	0.024	0.000
			Max. My	13	3.275	0.000	-0.000
			Max. Vy	14	-0.032	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Diagonal	Max Tension	1	0.000	0.000	0.000
			Max. Compression	21	-55.780	-0.171	0.002
			Max. Mx	11	-33.938	-0.341	-0.029
			Max. My	8	-25.991	0.002	0.355
			Max. Vy	11	0.691	0.049	-0.090
		Horizontal	Max. Vx	2	0.806	0.065	0.099
			Max Tension	7	1.793	0.000	0.000
			Max. Compression	13	-2.039	0.000	0.000
			Max. Mx	16	-0.314	0.009	0.000
			Max. My	13	-0.264	0.000	0.000
		Top Girt	Max. Vy	16	-0.009	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
			Max Tension	8	0.439	0.000	0.000
			Max. Compression	2	-0.127	0.000	0.000
			Max. Mx	23	0.258	0.007	0.000
			Max. My	13	0.191	0.000	-0.000
			Max. Vy	23	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	2	0.805	0.000	0.000
			Max. Compression	8	-0.734	0.000	0.000
			Max. Mx	14	0.066	0.007	0.000
			Max. My	13		0.676	0.000	-0.000

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	28 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T12	35 - 15	Bottom Girt	Max. Vy	14	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	7	0.343	0.000	0.000
			Max. Compression	13	-0.094	0.000	0.000
		Leg	Max. Mx	23	0.154	0.007	0.000
			Max. My	13	-0.094	0.000	-0.000
			Max. Vy	23	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Diagonal	Max Tension	1	0.000	0.000	0.000
			Max. Compression	17	-56.685	0.089	0.149
			Max. Mx	11	-34.878	-0.266	-0.020
			Max. My	7	-36.589	0.160	0.319
		Horizontal	Max. Vy	6	0.512	0.055	-0.090
			Max. Vx	2	-0.624	0.070	0.100
			Max Tension	2	1.074	0.000	0.000
			Max. Compression	6	-1.519	0.000	0.000
		Top Girt	Max. Mx	16	-0.064	0.008	0.000
			Max. My	13	0.740	0.000	0.000
			Max. Vy	16	-0.009	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
		Bottom Girt	Max Tension	7	0.422	0.000	0.000
			Max. Compression	2	-0.068	0.000	0.000
			Max. Mx	23	0.271	0.006	0.000
			Max. My	13	0.325	0.000	-0.000
T13	15 - 5	Leg	Max. Vy	23	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	13	0.183	0.000	0.000
			Max. Compression	7	-0.124	0.000	0.000
		Diagonal	Max. Mx	23	0.057	0.006	0.000
			Max. My	13	0.183	0.000	-0.000
			Max. Vy	23	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Horizontal	Max Tension	13	0.694	0.000	0.000
			Max. Compression	13	-0.462	0.000	0.000
			Max. Mx	23	0.105	0.006	0.000
			Max. My	13	0.356	0.000	-0.000
		Top Girt	Max. Vy	23	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	21	9.412	-0.051	-3.108
			Max. Compression	18	8.174	-2.669	1.594
		Diagonal	Max. Vy	21	-0.009	0.000	0.000
			Max. Vx	21	9.412	-0.051	-3.108
			Max Tension	2	1.387	0.000	0.000
			Max. Compression	6	-1.660	0.000	0.000
		Horizontal	Max. Mx	16	0.090	0.007	0.000
			Max. My	13	1.100	0.000	0.000
			Max. Vy	16	-0.008	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
		Top Girt	Max Tension	2	0.327	0.000	0.000
			Max. Compression	13	-0.167	0.000	0.000
			Max. Mx	23	0.217	0.006	0.000
			Max. My	13	0.111	0.000	-0.000
		Bottom Girt	Max. Vy	23	-0.008	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	13	0.698	0.000	0.000
			Max. Compression	7	-0.602	0.000	0.000
		Leg	Max. Mx	23	0.115	0.006	0.000
			Max. My	13	-0.246	0.000	-0.000
			Max. Vy	23	-0.008	0.000	0.000
			Max. Vx	23	-0.008	0.000	0.000

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	29 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T14	5 - 0	Bottom Girt	Max. Vx	13	0.000	0.000	0.000
			Max Tension	22	5.641	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	23	5.559	0.006	0.000
			Max. My	13	3.904	0.000	-0.000
			Max. Vy	23	-0.008	0.000	0.000
		Leg	Max. Vx	13	0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	22	-59.527	0.159	0.351
			Max. Mx	16	-56.252	3.112	-0.043
			Max. My	13	-37.993	-0.049	-0.967
			Max. Vy	19	9.845	-0.915	-0.007
		Diagonal	Max. Vx	7	-2.119	-0.228	0.861
			Max Tension	7	0.682	0.000	0.000
			Max. Compression	22	-7.614	0.000	0.000
			Max. Mx	15	-0.483	0.005	0.000
			Max. My	13	-1.291	0.000	0.000
			Max. Vy	15	-0.007	0.000	0.000
		Horizontal	Max. Vx	2	-0.000	0.000	0.000
			Max Tension	13	0.561	0.000	0.000
			Max. Compression	7	-0.226	0.000	0.000
			Max. Mx	23	0.225	0.001	0.000
			Max. My	13	0.411	0.000	-0.000
			Max. Vy	23	-0.003	0.000	0.000
		Top Girt	Max. Vx	13	0.000	0.000	0.000
			Max Tension	15	6.426	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	23	6.398	0.004	0.000
			Max. My	13	4.329	0.000	-0.000
			Max. Vy	23	-0.006	0.000	0.000
		Bottom Girt	Max. Vx	13	0.000	0.000	0.000
			Max Tension	22	1.936	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	14	1.875	0.000	0.000
			Max. Vy	14	-0.001	0.000	0.000

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Mast	Max. Vert	15	168.178	-0.008	-0.071
	Max. H _x	12	87.708	0.467	0.271
	Max. H _z	27	58.277	-0.001	0.324
	Max. M _x	1	0.000	-0.001	0.005
	Max. M _z	1	0.000	-0.001	0.005
	Max. Torsion	13	0.721	0.267	-0.162
	Min. Vert	1	56.682	-0.001	0.005
	Min. H _x	4	87.969	-0.466	0.270
	Min. H _z	8	89.980	-0.002	-0.556
	Min. M _x	1	0.000	-0.001	0.005
	Min. M _z	1	0.000	-0.001	0.005
	Min. Torsion	7	-0.949	0.276	-0.143
	Max. Vert	10	-1.050	-0.482	0.279
	Max. H _x	10	-1.050	-0.482	0.279

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	30 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Guy B @ 165 ft Elev 0 ft Azimuth 120 deg	Max. H _z	3	-48.394	-37.731	22.639
	Min. Vert	3	-48.394	-37.731	22.639
	Min. H _x	3	-48.394	-37.731	22.639
	Min. H _z	10	-1.050	-0.482	0.279
	Max. Vert	6	-1.057	0.487	0.281
	Max. H _x	13	-48.015	37.495	22.491
	Max. H _z	13	-48.015	37.495	22.491
	Min. Vert	13	-48.015	37.495	22.491
	Min. H _x	6	-1.057	0.487	0.281
	Min. H _z	6	-1.057	0.487	0.281
Guy A @ 165 ft Elev 0 ft Azimuth 0 deg	Max. Vert	27	-0.898	-0.000	-1.061
	Max. H _x	10	-39.867	1.057	-35.747
	Max. H _z	2	-1.009	-0.000	-0.517
	Min. Vert	9	-48.423	0.740	-44.006
	Min. H _x	6	-39.534	-1.048	-35.507
	Min. H _z	9	-48.423	0.740	-44.006

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	56.682	0.001	-0.005	0.000	0.000	0.053
1.2 Dead+1.0 Wind 0 deg - No Ice+1.0 Guy	120.598	0.000	0.457	0.000	0.000	-0.041
1.2 Dead+1.0 Wind 30 deg - No Ice+1.0 Guy	109.869	0.266	0.173	0.000	0.000	0.646
1.2 Dead+1.0 Wind 60 deg - No Ice+1.0 Guy	87.969	0.466	-0.270	0.000	0.000	0.311
1.2 Dead+1.0 Wind 90 deg - No Ice+1.0 Guy	105.148	0.101	-0.245	0.000	0.000	-0.095
1.2 Dead+1.0 Wind 120 deg - No Ice+1.0 Guy	114.971	-0.198	-0.120	0.000	0.000	0.472
1.2 Dead+1.0 Wind 150 deg - No Ice+1.0 Guy	109.353	-0.276	0.143	0.000	0.000	0.949
1.2 Dead+1.0 Wind 180 deg - No Ice+1.0 Guy	89.980	0.002	0.556	0.000	0.000	0.276
1.2 Dead+1.0 Wind 210 deg - No Ice+1.0 Guy	109.910	0.289	0.135	0.000	0.000	-0.425
1.2 Dead+1.0 Wind 240 deg - No Ice+1.0 Guy	115.630	0.213	-0.126	0.000	0.000	-0.063
1.2 Dead+1.0 Wind 270 deg - No Ice+1.0 Guy	105.150	-0.097	-0.244	0.000	0.000	0.306
1.2 Dead+1.0 Wind 300 deg - No Ice+1.0 Guy	87.708	-0.467	-0.271	0.000	0.000	-0.336
1.2 Dead+1.0 Wind 330 deg - No Ice+1.0 Guy	109.313	-0.267	0.162	0.000	0.000	-0.721
1.2 Dead+1.0 Ice+1.0 Temp+Guy	167.073	0.008	-0.010	0.000	0.000	0.168
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy	168.178	0.008	0.071	0.000	0.000	0.121
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy	167.863	-0.030	0.049	0.000	0.000	0.103

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	31 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy	167.556	-0.047	0.023	0.000	0.000	0.149
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy	167.838	-0.049	-0.003	0.000	0.000	0.202
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy	168.156	-0.047	-0.042	0.000	0.000	0.199
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy	167.880	-0.022	-0.073	0.000	0.000	0.187
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy	167.603	0.008	-0.084	0.000	0.000	0.217
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy	167.887	0.039	-0.072	0.000	0.000	0.236
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy	168.167	0.064	-0.042	0.000	0.000	0.189
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy	167.845	0.065	-0.003	0.000	0.000	0.136
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy	167.556	0.063	0.023	0.000	0.000	0.139
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy	167.859	0.046	0.050	0.000	0.000	0.151
Dead+Wind 0 deg - Service+Guy	58.277	0.001	-0.324	0.000	0.000	-0.008
Dead+Wind 30 deg - Service+Guy	58.678	0.146	-0.263	0.000	0.000	0.214
Dead+Wind 60 deg - Service+Guy	58.464	0.237	-0.141	0.000	0.000	0.122
Dead+Wind 90 deg - Service+Guy	58.280	0.271	0.000	0.000	0.000	0.007
Dead+Wind 120 deg - Service+Guy	57.627	0.257	0.143	0.000	0.000	0.182
Dead+Wind 150 deg - Service+Guy	58.631	0.153	0.251	0.000	0.000	0.322
Dead+Wind 180 deg - Service+Guy	58.644	0.001	0.297	0.000	0.000	0.116
Dead+Wind 210 deg - Service+Guy	58.688	-0.150	0.250	0.000	0.000	-0.106
Dead+Wind 240 deg - Service+Guy	57.684	-0.254	0.143	0.000	0.000	-0.014
Dead+Wind 270 deg - Service+Guy	58.282	-0.269	0.001	0.000	0.000	0.101
Dead+Wind 300 deg - Service+Guy	58.441	-0.236	-0.141	0.000	0.000	-0.076
Dead+Wind 330 deg - Service+Guy	58.616	-0.145	-0.264	0.000	0.000	-0.214

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.000	-29.244	0.000	0.000	29.244	0.000	0.002%
2	0.000	-34.860	-39.583	0.000	34.859	39.578	0.010%
3	19.342	-34.724	-33.502	-19.342	34.724	33.497	0.009%
4	31.806	-34.588	-18.363	-31.806	34.588	18.360	0.007%
5	35.639	-34.724	0.000	-35.635	34.724	0.002	0.009%
6	31.643	-34.860	18.269	-31.638	34.859	-18.266	0.010%
7	19.219	-34.724	33.289	-19.215	34.724	-33.287	0.009%
8	0.000	-34.588	39.526	-0.000	34.588	-39.522	0.007%

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	32 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
9	-19.342	-34.724	33.502	19.338	34.724	-33.500	0.009%
10	-31.856	-34.860	18.392	31.851	34.859	-18.389	0.010%
11	-35.639	-34.724	0.000	35.635	34.724	0.002	0.009%
12	-31.593	-34.588	-18.240	31.594	34.588	18.237	0.006%
13	-19.219	-34.724	-33.289	19.219	34.724	33.284	0.009%
14	0.000	-122.015	0.000	-0.000	122.015	-0.003	0.002%
15	0.000	-122.103	-6.968	0.000	122.103	6.967	0.001%
16	3.456	-122.015	-5.985	-3.456	122.015	5.984	0.001%
17	5.885	-121.928	-3.398	-5.884	121.928	3.397	0.001%
18	6.727	-122.015	0.000	-6.726	122.015	0.000	0.001%
19	5.875	-122.103	3.392	-5.874	122.103	-3.392	0.001%
20	3.448	-122.015	5.973	-3.448	122.015	-5.972	0.001%
21	0.000	-121.928	6.965	-0.000	121.928	-6.964	0.001%
22	-3.456	-122.015	5.985	3.455	122.015	-5.985	0.001%
23	-5.888	-122.103	3.399	5.887	122.103	-3.399	0.001%
24	-6.727	-122.015	0.000	6.726	122.015	0.000	0.001%
25	-5.873	-121.928	-3.391	5.872	121.928	3.390	0.001%
26	-3.448	-122.015	-5.973	3.448	122.015	5.972	0.001%
27	0.000	-29.288	-12.682	0.000	29.288	12.681	0.004%
28	6.197	-29.244	-10.734	-6.197	29.244	10.733	0.003%
29	10.191	-29.201	-5.884	-10.189	29.201	5.883	0.005%
30	11.419	-29.244	0.000	-11.418	29.244	0.001	0.003%
31	10.138	-29.288	5.853	-10.137	29.288	-5.853	0.004%
32	6.158	-29.244	10.666	-6.156	29.244	-10.665	0.005%
33	0.000	-29.201	12.664	-0.000	29.201	-12.663	0.004%
34	-6.197	-29.244	10.734	6.196	29.244	-10.733	0.005%
35	-10.207	-29.288	5.893	10.205	29.288	-5.892	0.004%
36	-11.419	-29.244	0.000	11.418	29.244	0.001	0.003%
37	-10.122	-29.201	-5.844	10.121	29.201	5.843	0.005%
38	-6.158	-29.244	-10.666	6.158	29.244	10.664	0.005%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	7	0.00000001	0.00007440
2	Yes	32	0.00009482	0.00013546
3	Yes	31	0.00009093	0.00012068
4	Yes	18	0.00013767	0.00013542
5	Yes	30	0.00010105	0.00012552
6	Yes	31	0.00010007	0.00013553
7	Yes	31	0.00009029	0.00011922
8	Yes	17	0.00008394	0.00012370
9	Yes	31	0.00009082	0.00012045
10	Yes	31	0.00010070	0.00013699
11	Yes	30	0.00010115	0.00012571
12	Yes	19	0.00013304	0.00012540
13	Yes	31	0.00009034	0.00011932
14	Yes	12	0.00015000	0.00006155
15	Yes	25	0.00000001	0.00002454
16	Yes	24	0.00000001	0.00002931
17	Yes	21	0.00000001	0.00002364
18	Yes	23	0.00000001	0.00001993
19	Yes	24	0.00000001	0.00002391
20	Yes	24	0.00000001	0.00001870
21	Yes	21	0.00000001	0.00002300

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	33 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

22	Yes	24	0.00000001	0.00001878
23	Yes	24	0.00000001	0.00002394
24	Yes	23	0.00000001	0.00001993
25	Yes	21	0.00000001	0.00002387
26	Yes	24	0.00000001	0.00002215
27	Yes	21	0.00000001	0.00006322
28	Yes	19	0.00000001	0.00005022
29	Yes	13	0.00000001	0.00006342
30	Yes	17	0.00000001	0.00005154
31	Yes	18	0.00000001	0.00006986
32	Yes	18	0.00000001	0.00008056
33	Yes	14	0.00000001	0.00005635
34	Yes	18	0.00014751	0.00008313
35	Yes	18	0.00000001	0.00007194
36	Yes	17	0.00000001	0.00005205
37	Yes	13	0.00000001	0.00006510
38	Yes	18	0.00014792	0.00008283

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	255 - 235	6.384	34	0.204	0.745
T2	235 - 215	5.567	34	0.204	0.677
T3	215 - 195	4.686	34	0.202	0.528
T4	195 - 175	4.085	33	0.108	0.404
T5	175 - 155	3.937	27	0.069	0.327
T6	155 - 135	3.813	27	0.066	0.243
T7	135 - 115	3.618	27	0.062	0.173
T8	115 - 95	3.448	27	0.065	0.143
T9	95 - 75	3.136	27	0.100	0.185
T10	75 - 55	2.613	27	0.134	0.216
T11	55 - 35	2.045	27	0.136	0.229
T12	35 - 15	1.438	27	0.165	0.225
T13	15 - 5	0.662	27	0.200	0.206
T14	5 - 0	0.221	27	0.209	0.196

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
255.000	Lightning Rod 1"x5'	34	6.384	0.204	0.745	106312
250.000	Sector1(CaAa=14000 Sq.in)No Ice	34	6.187	0.202	0.734	106312
245.000	Guy	34	5.986	0.201	0.720	53156
235.000	Sector1(CaAa=10000 Sq.in)No Ice	34	5.567	0.204	0.677	31351
220.000	Sector1(CaAa=10000 Sq.in)No Ice	34	4.896	0.210	0.568	24177
205.000	Guy	33	4.334	0.159	0.459	12128
132.211	Guy	27	3.594	0.061	0.164	42452
65.000	Guy	27	2.329	0.135	0.222	123609

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	34 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	255 - 235	44.442	2	1.269	2.146
T2	235 - 215	39.654	2	1.263	1.960
T3	215 - 195	34.722	2	1.225	1.539
T4	195 - 175	30.795	2	0.866	1.169
T5	175 - 155	28.219	2	0.679	0.922
T6	155 - 135	25.912	2	0.613	0.652
T7	135 - 115	23.543	2	0.550	0.423
T8	115 - 95	21.373	2	0.561	0.430
T9	95 - 75	18.764	2	0.711	0.548
T10	75 - 55	15.424	2	0.838	0.625
T11	55 - 35	11.856	2	0.863	0.653
T12	35 - 15	8.070	2	0.983	0.635
T13	15 - 5	3.629	2	1.115	0.565
T14	5 - 0	1.210	2	1.149	0.515

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
255.000	Lightning Rod 1"x5'	2	44.442	1.269	2.146	35052
250.000	Sector1(CaAa=14000 Sq.in)No Ice	2	43.265	1.263	2.115	35052
245.000	Guy	2	42.080	1.259	2.077	17526
235.000	Sector1(CaAa=10000 Sq.in)No Ice	2	39.654	1.263	1.960	10422
220.000	Sector1(CaAa=10000 Sq.in)No Ice	2	35.909	1.263	1.652	6187
205.000	Guy	2	32.576	1.059	1.335	3286
132.211	Guy	2	23.235	0.542	0.424	9932
65.000	Guy	2	13.652	0.841	0.639	46683

Bolt Design Data

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load Allowable	Allowable Ratio	Criteria
T2	235	Leg	A325N	0.750	3	2.175	30.101	0.072 ✓	1	Bolt Tension
T3	215	Leg	A325N	0.750	3	4.349	30.101	0.144 ✓	1	Bolt Tension
T4	195	Leg	A325N	0.750	3	6.482	30.101	0.215 ✓	1	Bolt Tension
T5	175	Leg	A325N	0.750	3	4.453	30.101	0.148 ✓	1	Bolt Tension
T6	155	Leg	A325N	0.750	3	4.220	30.101	0.140 ✓	1	Bolt Tension
T7	135	Leg	A325N	0.750	3	4.533	30.101	0.151 ✓	1	Bolt Tension
T8	115	Leg	A325N	0.750	3	5.040	30.101	0.167 ✓	1	Bolt Tension
T9	95	Leg	A325N	0.750	3	5.370	30.101	0.178 ✓	1	Bolt Tension
T10	75	Leg	A325N	0.750	3	5.453	30.101	0.181 ✓	1	Bolt Tension
T11	55	Leg	A325N	0.750	3	5.875	30.101	0.195 ✓	1	Bolt Tension

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	35 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load Allowable	Allowable Ratio	Criteria
T12	35	Leg	A325N	0.750	3	6.198	30.101	0.206 ✓	1	Bolt Tension
T13	15	Leg	A325N	0.750	3	6.299	30.101	0.209 ✓	1	Bolt Tension
T14	5	Leg	A325N	0.750	3	6.251	30.101	0.208 ✓	1	Bolt Tension

Guy Design Data

Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual T_u K	Allowable ϕT_n K	Required S.F.	Actual S.F.
T1	245.000 (A) (729)	5/8 EModulus EHS	4.240	42.400	23.393	25.440	1.000	1.088 ✓
	245.000 (B) (728)	5/8 EModulus EHS	4.240	42.400	23.122	25.440	1.000	1.100 ✓
	245.000 (C) (724)	5/8 EModulus EHS	4.240	42.400	23.349	25.440	1.000	1.090 ✓
T3	205.000 (A) (720)	1/2 EModulus EHS	2.690	26.900	14.265	16.140	1.000	1.131 ✓
	205.000 (A) (721)	1/2 EModulus EHS	2.690	26.900	14.403	16.140	1.000	1.121 ✓
	205.000 (B) (716)	1/2 EModulus EHS	2.690	26.900	13.706	16.140	1.000	1.178 ✓
	205.000 (B) (717)	1/2 EModulus EHS	2.690	26.900	14.255	16.140	1.000	1.132 ✓
	205.000 (C) (709)	1/2 EModulus EHS	2.690	26.900	14.416	16.140	1.000	1.120 ✓
	205.000 (C) (710)	1/2 EModulus EHS	2.690	26.900	13.792	16.140	1.000	1.170 ✓
T7	132.211 (A) (708)	3/8 EModulus EHS	1.540	15.400	8.221	9.240	1.000	1.124 ✓
	132.211 (B) (707)	3/8 EModulus EHS	1.540	15.400	8.222	9.240	1.000	1.124 ✓
	132.211 (C) (703)	3/8 EModulus EHS	1.540	15.400	8.230	9.240	1.000	1.123 ✓
T10	65.000 (A) (702)	3/8 EModulus EHS	1.540	15.400	7.180	9.240	1.000	1.287 ✓
	65.000 (B) (701)	3/8 EModulus EHS	1.540	15.400	7.189	9.240	1.000	1.285 ✓
	65.000 (C) (697)	3/8 EModulus	1.540	15.400	7.174	9.240	1.000	1.288 ✓

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	36 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual T_u K	Allowable ϕT_n K	Required S.F.	Actual S.F.
EHS								

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in ²	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 235	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-18.123	78.769	0.230 ¹
T2	235 - 215	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-34.379	78.769	0.436 ¹
T3	215 - 195	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-71.752	78.769	0.911 ¹
T4	195 - 175	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-56.360	78.769	0.716 ¹
T5	175 - 155	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-39.169	78.769	0.497 ¹
T6	155 - 135	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-40.066	78.769	0.509 ¹
T7	135 - 115	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-44.876	78.769	0.570 ¹
T8	115 - 95	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-47.996	78.769	0.609 ¹
T9	95 - 75	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-48.968	78.769	0.622 ¹
T10	75 - 55	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-52.352	78.769	0.665 ¹
T11	55 - 35	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-55.405	78.769	0.703 ¹
T12	35 - 15	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-56.517	78.769	0.717 ¹
T13	15 - 5	1 3/4	10.000	2.307	63.3 K=1.00	2.405	-56.556	80.761	0.700 ¹
T14	5 - 0	2 1/4	5.292	2.238	47.7 K=1.00	3.976	-59.527	151.458	0.393 ¹

¹ P_u / ϕP_n controls

Diagonal Design Data (Compression)

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 37 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 235	1	3.844	3.657	122.9 K=0.70	0.785	-7.562	11.750	0.644 ¹ ✓
T2	235 - 215	1 1/8	3.844	3.657	109.2 K=0.70	0.994	-12.391	18.695	0.663 ¹ ✓
T3	215 - 195	1 1/8	3.844	3.657	109.2 K=0.70	0.994	-12.418	18.695	0.664 ¹ ✓
T4	195 - 175	.875	3.844	3.657	140.4 K=0.70	0.601	-3.919	6.888	0.569 ¹ ✓
T5	175 - 155	.75	3.844	3.657	163.8 K=0.70	0.442	-2.680	3.718	0.721 ¹ ✓
T6	155 - 135	.75	3.844	3.657	163.8 K=0.70	0.442	-3.085	3.718	0.830 ¹ ✓
T7	135 - 115	.75	3.844	3.657	163.8 K=0.70	0.442	-3.073	3.718	0.827 ¹ ✓
T8	115 - 95	.75	3.844	3.657	163.8 K=0.70	0.442	-1.649	3.718	0.443 ¹ ✓
T9	95 - 75	.75	3.844	3.657	163.8 K=0.70	0.442	-2.615	3.718	0.704 ¹ ✓
T10	75 - 55	.75	3.844	3.657	163.8 K=0.70	0.442	-2.753	3.718	0.741 ¹ ✓
T11	55 - 35	.75	3.844	3.657	163.8 K=0.70	0.442	-2.039	3.718	0.548 ¹ ✓
T12	35 - 15	.75	3.844	3.657	163.8 K=0.70	0.442	-1.519	3.718	0.409 ¹ ✓
T13	15 - 5	.75	3.785	3.601	161.3 K=0.70	0.442	-1.660	3.836	0.433 ¹ ✓
T14	5 - 0	1	2.314	1.852	89.9 K=1.01	0.785	-7.614	19.578	0.389 ¹ ✓

¹ P_u / φP_n controls

Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 235	3/4	3.000	2.854	127.9 K=0.70	0.442	-2.639	6.104	0.432 ¹ ✓
T2	235 - 215	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.574	6.104	0.258 ¹ ✓
T3	215 - 195	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.325	6.104	0.217 ¹ ✓
T4	195 - 175	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.077	6.104	0.176 ¹ ✓
T5	175 - 155	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.740	6.104	0.121 ¹ ✓
T6	155 - 135	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.753	6.104	0.123 ¹ ✓
T7	135 - 115	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.837	6.104	0.137 ¹ ✓

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	38 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T8	115 - 95	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.892	6.104	0.146 ¹ ✓
T9	95 - 75	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.906	6.104	0.148 ¹ ✓
T10	75 - 55	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.976	6.104	0.160 ¹ ✓
T11	55 - 35	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.030	6.104	0.169 ¹ ✓
T12	35 - 15	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.046	6.104	0.171 ¹ ✓
T13	15 - 5	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.018	6.104	0.167 ¹ ✓
T14	5 - 0	3/4	1.500	1.313	89.0 K=1.06	0.442	-1.075	11.134	0.097 ¹ ✓

¹ P_u / φP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 235	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.346	6.104	0.057 ¹ ✓
T2	235 - 215	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.748	6.104	0.286 ¹ ✓
T3	215 - 195	3/4	3.000	2.854	127.9 K=0.70	0.442	-4.529	6.104	0.742 ¹ ✓
T4	195 - 175	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.770	6.104	0.290 ¹ ✓
T5	175 - 155	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.068	6.104	0.175 ¹ ✓
T6	155 - 135	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.753	6.104	0.123 ¹ ✓
T7	135 - 115	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.964	6.104	0.158 ¹ ✓
T8	115 - 95	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.892	6.104	0.146 ¹ ✓
T9	95 - 75	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.906	6.104	0.148 ¹ ✓
T10	75 - 55	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.976	6.104	0.160 ¹ ✓
T11	55 - 35	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.030	6.104	0.169 ¹ ✓
T12	35 - 15	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.046	6.104	0.171 ¹ ✓
T13	15 - 5	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.018	6.104	0.167 ¹ ✓

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	39 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T14	5 - 0	3/4	2.769	2.581	115.6 K=0.70	0.442	-1.075	7.463	0.144 ¹ ✓

¹ P_u / φP_n controls

Bottom Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 235	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.361	6.104	0.223 ¹ ✓
T2	235 - 215	3/4	3.000	2.854	127.9 K=0.70	0.442	-3.959	6.104	0.649 ¹ ✓
T3	215 - 195	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.938	6.104	0.317 ¹ ✓
T4	195 - 175	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.203	6.104	0.197 ¹ ✓
T5	175 - 155	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.740	6.104	0.121 ¹ ✓
T6	155 - 135	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.923	6.104	0.151 ¹ ✓
T7	135 - 115	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.837	6.104	0.137 ¹ ✓
T8	115 - 95	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.892	6.104	0.146 ¹ ✓
T9	95 - 75	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.906	6.104	0.148 ¹ ✓
T10	75 - 55	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.976	6.104	0.160 ¹ ✓
T11	55 - 35	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.030	6.104	0.169 ¹ ✓
T12	35 - 15	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.046	6.104	0.171 ¹ ✓
T13	15 - 5	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.018	6.104	0.167 ¹ ✓
T14	5 - 0	3/4	0.231	0.044	3.1 K=1.10	0.442	-1.075	19.867	0.054 ¹ ✓

¹ P_u / φP_n controls

Top Guy Pull-Off Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T3	215 - 195	4x5/8	3.000	2.854	151.9	2.500	-6.998	24.488	0.286 ¹

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	40 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
K=0.80									✓

¹ P_u / φP_n controls

Torque-Arm Top Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T3	215 - 195 (711)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.887	237.937	0.021
T3	215 - 195 (712)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.899	237.937	0.021
T3	215 - 195 (718)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.570	237.937	0.019
T3	215 - 195 (719)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.558	237.937	0.019
T3	215 - 195 (722)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.819	237.937	0.020
T3	215 - 195 (723)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.827	237.937	0.020

Torque-Arm Top Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
T3	215 - 195 (711)	C12x20.7	-34.025	94.709	0.359	0.000	9.731	0.000
T3	215 - 195 (712)	C12x20.7	-34.094	94.709	0.360	-0.000	9.731	0.000
T3	215 - 195 (718)	C12x20.7	-32.302	94.709	0.341	-0.000	9.731	0.000
T3	215 - 195 (719)	C12x20.7	-32.222	94.709	0.340	0.000	9.731	0.000
T3	215 - 195 (722)	C12x20.7	-33.638	94.709	0.355	0.000	9.731	0.000
T3	215 - 195 (723)	C12x20.7	-33.722	94.709	0.356	-0.000	9.731	0.000

Torque-Arm Top Interaction Design Data

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T3	215 - 195 (711)	C12x20.7	0.021	0.359	0.000	0.370 ✓	1.000	✓
T3	215 - 195 (712)	C12x20.7	0.021	0.360	0.000	0.370 ✓	1.000	✓
T3	215 - 195 (718)	C12x20.7	0.019	0.341	0.000	0.351 ✓	1.000	✓
T3	215 - 195 (719)	C12x20.7	0.019	0.340	0.000	0.350 ✓	1.000	✓

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 41 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T3	215 - 195 (722)	C12x20.7	0.020	0.355	0.000	0.365 ✓	1.000	✓
T3	215 - 195 (723)	C12x20.7	0.020	0.356	0.000	0.366 ✓	1.000	✓

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 235	1 3/4	20.000	2.404	65.9	2.405	9.799	108.238	0.091 ¹ ✓
T2	235 - 215	1 3/4	20.000	0.385	10.6	2.405	8.592	108.238	0.079 ¹ ✓
T3	215 - 195	1 3/4	20.000	2.404	65.9	2.405	36.242	108.238	0.335 ¹ ✓
T4	195 - 175	1 3/4	20.000	0.385	10.6	2.405	3.543	108.238	0.033 ¹ ✓

¹ P_u / ϕP_n controls

Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 235	1	3.844	3.657	175.6	0.785	7.554	35.343	0.214 ¹ ✓
T2	235 - 215	1 1/8	3.844	3.657	156.0	0.994	12.203	44.731	0.273 ¹ ✓
T3	215 - 195	1 1/8	3.844	3.657	156.0	0.994	12.274	44.731	0.274 ¹ ✓
T4	195 - 175	.875	3.844	3.657	200.6	0.601	3.619	27.059	0.134 ¹ ✓
T5	175 - 155	.75	3.844	3.657	234.1	0.442	2.409	19.880	0.121 ¹ ✓
T6	155 - 135	.75	3.844	3.657	234.1	0.442	2.640	19.880	0.133 ¹ ✓
T7	135 - 115	.75	3.844	3.657	234.1	0.442	2.829	19.880	0.142 ¹ ✓
T8	115 - 95	.75	3.844	3.657	234.1	0.442	1.390	19.880	0.070 ¹ ✓

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	42 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T9	95 - 75	.75	3.844	3.657	234.1	0.442	2.143	19.880	0.108 ¹
T10	75 - 55	.75	3.844	3.657	234.1	0.442	2.397	19.880	0.121 ¹
T11	55 - 35	.75	3.844	3.657	234.1	0.442	1.793	19.880	0.090 ¹
T12	35 - 15	.75	3.844	3.657	234.1	0.442	1.074	19.880	0.054 ¹
T13	15 - 5	.75	3.785	3.601	230.4	0.442	1.387	19.880	0.070 ¹
T14	5 - 0	1	3.027	2.565	123.1	0.785	0.682	35.343	0.019 ¹

¹ P_u / φP_n controls

Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 235	3/4	3.000	2.854	182.7	0.442	2.598	19.880	0.131 ¹
T2	235 - 215	3/4	3.000	2.854	182.7	0.442	1.743	19.880	0.088 ¹
T3	215 - 195	3/4	3.000	2.854	182.7	0.442	1.325	19.880	0.067 ¹
T4	195 - 175	3/4	3.000	2.854	182.7	0.442	1.077	19.880	0.054 ¹
T5	175 - 155	3/4	3.000	2.854	182.7	0.442	0.740	19.880	0.037 ¹
T6	155 - 135	3/4	3.000	2.854	182.7	0.442	0.753	19.880	0.038 ¹
T7	135 - 115	3/4	3.000	2.854	182.7	0.442	0.837	19.880	0.042 ¹
T8	115 - 95	3/4	3.000	2.854	182.7	0.442	0.892	19.880	0.045 ¹
T9	95 - 75	3/4	3.000	2.854	182.7	0.442	0.906	19.880	0.046 ¹
T10	75 - 55	3/4	3.000	2.854	182.7	0.442	0.976	19.880	0.049 ¹
T11	55 - 35	3/4	3.000	2.854	182.7	0.442	1.030	19.880	0.052 ¹
T12	35 - 15	3/4	3.000	2.854	182.7	0.442	1.046	19.880	0.053 ¹
T13	15 - 5	3/4	3.000	2.854	182.7	0.442	1.018	19.880	0.051 ¹
T14	5 - 0	3/4	1.500	1.313	84.0	0.442	1.075	19.880	0.054 ¹

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 43 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

¹ $P_u / \phi P_n$ controls

Top Girt Design Data (Tension)

Section No.	Elevation <i>ft</i>	Size	<i>L</i> <i>ft</i>	<i>L_u</i> <i>ft</i>	<i>Kl/r</i>	<i>A</i> <i>in²</i>	<i>P_u</i> <i>K</i>	ϕP_n <i>K</i>	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 235	3/4	3.000	2.854	182.7	0.442	0.346	19.880	0.017 ¹
T2	235 - 215	3/4	3.000	2.854	182.7	0.442	1.727	19.880	0.087 ¹
T3	215 - 195	3/4	3.000	2.854	182.7	0.442	4.044	19.880	0.203 ¹
T4	195 - 175	3/4	3.000	2.854	182.7	0.442	1.992	19.880	0.100 ¹
T5	175 - 155	3/4	3.000	2.854	182.7	0.442	1.238	19.880	0.062 ¹
T6	155 - 135	3/4	3.000	2.854	182.7	0.442	0.753	19.880	0.038 ¹
T7	135 - 115	3/4	3.000	2.854	182.7	0.442	1.090	19.880	0.055 ¹
T8	115 - 95	3/4	3.000	2.854	182.7	0.442	0.892	19.880	0.045 ¹
T9	95 - 75	3/4	3.000	2.854	182.7	0.442	0.906	19.880	0.046 ¹
T10	75 - 55	3/4	3.000	2.854	182.7	0.442	1.010	19.880	0.051 ¹
T11	55 - 35	3/4	3.000	2.854	182.7	0.442	1.030	19.880	0.052 ¹
T12	35 - 15	3/4	3.000	2.854	182.7	0.442	1.046	19.880	0.053 ¹
T13	15 - 5	3/4	3.000	2.854	182.7	0.442	1.018	19.880	0.051 ¹
T14	5 - 0	3/4	2.769	2.581	165.2	0.442	6.426	19.880	0.323 ¹

¹ $P_u / \phi P_n$ controls

Bottom Girt Design Data (Tension)

Section No.	Elevation <i>ft</i>	Size	<i>L</i> <i>ft</i>	<i>L_u</i> <i>ft</i>	<i>Kl/r</i>	<i>A</i> <i>in²</i>	<i>P_u</i> <i>K</i>	ϕP_n <i>K</i>	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 235	3/4	3.000	2.854	182.7	0.442	1.481	19.880	0.075 ¹
T2	235 - 215	3/4	3.000	2.854	182.7	0.442	4.578	19.880	0.230 ¹
T3	215 - 195	3/4	3.000	2.854	182.7	0.442	1.967	19.880	0.099 ¹
T4	195 - 175	3/4	3.000	2.854	182.7	0.442	1.286	19.880	0.065 ¹

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 44 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T5	175 - 155	3/4	3.000	2.854	182.7	0.442	0.740	19.880	0.037 ¹ ✓
T6	155 - 135	3/4	3.000	2.854	182.7	0.442	1.068	19.880	0.054 ¹ ✓
T7	135 - 115	3/4	3.000	2.854	182.7	0.442	0.940	19.880	0.047 ¹ ✓
T8	115 - 95	3/4	3.000	2.854	182.7	0.442	0.892	19.880	0.045 ¹ ✓
T9	95 - 75	3/4	3.000	2.854	182.7	0.442	0.972	19.880	0.049 ¹ ✓
T10	75 - 55	3/4	3.000	2.854	182.7	0.442	0.976	19.880	0.049 ¹ ✓
T11	55 - 35	3/4	3.000	2.854	182.7	0.442	1.030	19.880	0.052 ¹ ✓
T12	35 - 15	3/4	3.000	2.854	182.7	0.442	1.046	19.880	0.053 ¹ ✓
T13	15 - 5	3/4	3.000	2.854	182.7	0.442	5.641	19.880	0.284 ¹ ✓
T14	5 - 0	3/4	0.231	0.044	2.8	0.442	1.936	19.880	0.097 ¹ ✓

¹ P_u / φP_n controls

Top Guy Pull-Off Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 235	4x5/8	3.000	2.854	189.8	2.500	6.262	112.500	0.056 ¹ ✓
T3	215 - 195	4x5/8	3.000	2.854	189.8	2.500	7.160	112.500	0.064 ¹ ✓
T7	135 - 115	4x5/8	3.000	2.854	189.8	2.500	3.384	112.500	0.030 ¹ ✓
T10	75 - 55	4x5/8	3.000	2.854	189.8	2.500	3.478	112.500	0.031 ¹ ✓

¹ P_u / φP_n controls

Torque-Arm Top Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T3	215 - 195 (711)	C12x20.7	3.000	2.927	44.0	4.568	0.612	222.666	0.003
T3	215 - 195 (712)	C12x20.7	3.000	2.927	44.0	4.568	0.816	222.666	0.004

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS#: B578 - EV Smithland South (Site# KY-1824)	Page 45 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T3	215 - 195 (718)	C12x20.7	3.000	2.927	44.0	4.568	0.596	222.666	0.003
T3	215 - 195 (719)	C12x20.7	3.000	2.927	44.0	4.568	0.655	222.666	0.003
T3	215 - 195 (722)	C12x20.7	3.000	2.927	44.0	4.568	0.831	222.666	0.004
T3	215 - 195 (723)	C12x20.7	3.000	2.927	44.0	4.568	0.641	222.666	0.003

Torque-Arm Top Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T3	215 - 195 (711)	C12x20.7	-33.926	94.709	0.358	0.000	9.731	0.000
T3	215 - 195 (712)	C12x20.7	-32.536	94.709	0.344	-0.000	9.731	0.000
T3	215 - 195 (718)	C12x20.7	-33.965	94.709	0.359	-0.000	9.731	0.000
T3	215 - 195 (719)	C12x20.7	-34.293	94.709	0.362	0.000	9.731	0.000
T3	215 - 195 (722)	C12x20.7	-32.502	94.709	0.343	0.000	9.731	0.000
T3	215 - 195 (723)	C12x20.7	-34.347	94.709	0.363	-0.000	9.731	0.000

Torque-Arm Top Interaction Design Data

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	Ratio $\frac{M_{uy}}{\phi M_{uy}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T3	215 - 195 (711)	C12x20.7	0.003	0.358	0.000	0.360	1.000	✓
T3	215 - 195 (712)	C12x20.7	0.004	0.344	0.000	0.345	1.000	✓
T3	215 - 195 (718)	C12x20.7	0.003	0.359	0.000	0.360	1.000	✓
T3	215 - 195 (719)	C12x20.7	0.003	0.362	0.000	0.364	1.000	✓
T3	215 - 195 (722)	C12x20.7	0.004	0.343	0.000	0.345	1.000	✓
T3	215 - 195 (723)	C12x20.7	0.003	0.363	0.000	0.364	1.000	✓

Section Capacity Table

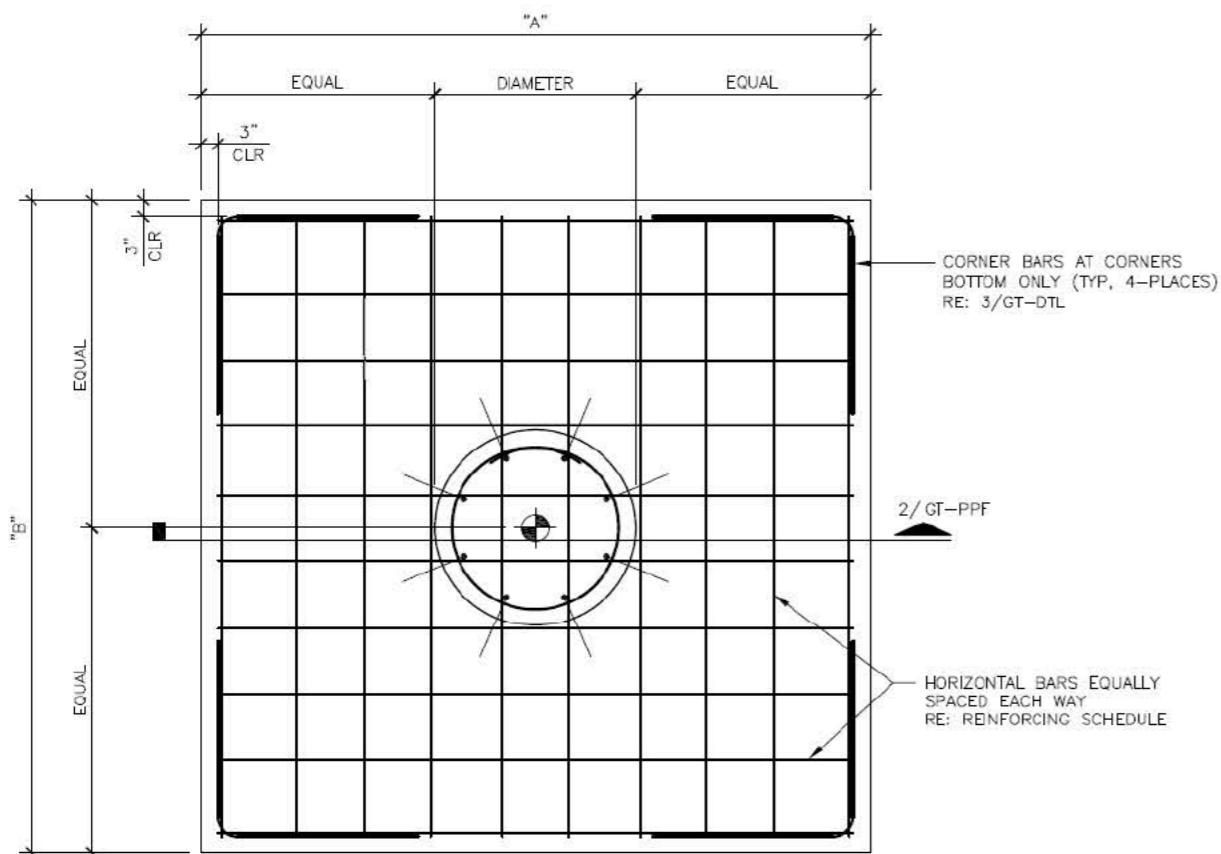
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	φP _{allow} K	% Capacity	Pass Fail
T1	255 - 235	Leg	1 3/4	1	-18.123	78.769	23.0	Pass
T2	235 - 215	Leg	1 3/4	57	-34.379	78.769	43.6	Pass
T3	215 - 195	Leg	1 3/4	111	-71.752	78.769	91.1	Pass
T4	195 - 175	Leg	1 3/4	163	-56.360	78.769	71.6	Pass
T5	175 - 155	Leg	1 3/4	217	-39.169	78.769	49.7	Pass
T6	155 - 135	Leg	1 3/4	271	-40.066	78.769	50.9	Pass
T7	135 - 115	Leg	1 3/4	327	-44.876	78.769	57.0	Pass

tnxTower B+T Group, Inc. 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	46 of 47
	Project 255' 36G	Date 15:10:16 03/19/25
	Client APC Towers	Designed by clint.coody

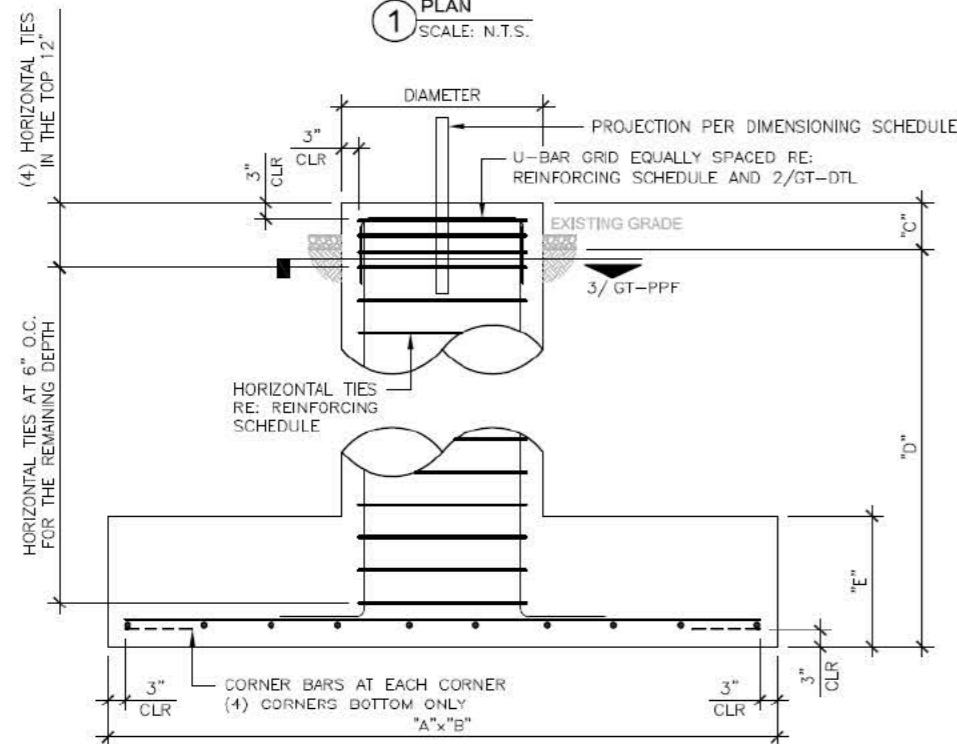
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	σP_{allow} K	% Capacity	Pass Fail
T8	115 - 95	Leg	1 3/4	381	-47.996	78.769	60.9	Pass
T9	95 - 75	Leg	1 3/4	435	-48.968	78.769	62.2	Pass
T10	75 - 55	Leg	1 3/4	489	-52.352	78.769	66.5	Pass
T11	55 - 35	Leg	1 3/4	543	-55.405	78.769	70.3	Pass
T12	35 - 15	Leg	1 3/4	597	-56.517	78.769	71.7	Pass
T13	15 - 5	Leg	1 3/4	651	-56.556	80.761	70.0	Pass
T14	5 - 0	Leg	2 1/4	681	-59.527	151.458	39.3	Pass
T1	255 - 235	Diagonal	1	40	-7.562	11.750	64.4	Pass
T2	235 - 215	Diagonal	1 1/8	64	-12.391	18.695	66.3	Pass
T3	215 - 195	Diagonal	1 1/8	160	-12.418	18.695	66.4	Pass
T4	195 - 175	Diagonal	.875	214	-3.919	6.888	56.9	Pass
T5	175 - 155	Diagonal	.75	268	-2.680	3.718	72.1	Pass
T6	155 - 135	Diagonal	.75	281	-3.085	3.718	83.0	Pass
T7	135 - 115	Diagonal	.75	377	-3.073	3.718	82.7	Pass
T8	115 - 95	Diagonal	.75	430	-1.649	3.718	44.3	Pass
T9	95 - 75	Diagonal	.75	444	-2.615	3.718	70.4	Pass
T10	75 - 55	Diagonal	.75	522	-2.753	3.718	74.1	Pass
T11	55 - 35	Diagonal	.75	593	-2.039	3.718	54.8	Pass
T12	35 - 15	Diagonal	.75	604	-1.519	3.718	40.9	Pass
T13	15 - 5	Diagonal	.75	658	-1.660	3.836	43.3	Pass
T14	5 - 0	Diagonal	1	690	-7.614	19.578	38.9	Pass
T1	255 - 235	Horizontal	3/4	45	-2.639	6.104	43.2	Pass
T2	235 - 215	Horizontal	3/4	75	-1.574	6.104	25.8	Pass
T3	215 - 195	Horizontal	3/4	122	-1.325	6.104	21.7	Pass
T4	195 - 175	Horizontal	3/4	177	-1.077	6.104	17.6	Pass
T5	175 - 155	Horizontal	3/4	235	-0.740	6.104	12.1	Pass
T6	155 - 135	Horizontal	3/4	285	-0.753	6.104	12.3	Pass
T7	135 - 115	Horizontal	3/4	339	-0.837	6.104	13.7	Pass
T8	115 - 95	Horizontal	3/4	392	-0.892	6.104	14.6	Pass
T9	95 - 75	Horizontal	3/4	447	-0.906	6.104	14.8	Pass
T10	75 - 55	Horizontal	3/4	501	-0.976	6.104	16.0	Pass
T11	55 - 35	Horizontal	3/4	555	-1.030	6.104	16.9	Pass
T12	35 - 15	Horizontal	3/4	609	-1.046	6.104	17.1	Pass
T13	15 - 5	Horizontal	3/4	661	-1.018	6.104	16.7	Pass
T14	5 - 0	Horizontal	3/4	692	-1.075	11.134	9.7	Pass
T1	255 - 235	Top Girt	3/4	4	-0.346	6.104	5.7	Pass
T2	235 - 215	Top Girt	3/4	58	-1.748	6.104	28.6	Pass
T3	215 - 195	Top Girt	3/4	112	-4.529	6.104	74.2	Pass
T4	195 - 175	Top Girt	3/4	166	-1.770	6.104	29.0	Pass
T5	175 - 155	Top Girt	3/4	220	-1.068	6.104	17.5	Pass
T6	155 - 135	Top Girt	3/4	276	-0.753	6.104	12.3	Pass
T7	135 - 115	Top Girt	3/4	329	-0.964	6.104	15.8	Pass
T8	115 - 95	Top Girt	3/4	383	-0.892	6.104	14.6	Pass
T9	95 - 75	Top Girt	3/4	438	-0.906	6.104	14.8	Pass
T10	75 - 55	Top Girt	3/4	492	-0.976	6.104	16.0	Pass
T11	55 - 35	Top Girt	3/4	546	-1.030	6.104	16.9	Pass
T12	35 - 15	Top Girt	3/4	600	-1.046	6.104	17.1	Pass
T13	15 - 5	Top Girt	3/4	652	-1.018	6.104	16.7	Pass
T14	5 - 0	Top Girt	3/4	682	6.426	19.880	32.3	Pass
T1	255 - 235	Bottom Girt	3/4	9	-1.361	6.104	22.3	Pass
T2	235 - 215	Bottom Girt	3/4	61	-3.959	6.104	64.9	Pass
T3	215 - 195	Bottom Girt	3/4	115	-1.938	6.104	31.7	Pass
T4	195 - 175	Bottom Girt	3/4	169	-1.203	6.104	19.7	Pass
T5	175 - 155	Bottom Girt	3/4	223	-0.740	6.104	12.1	Pass
T6	155 - 135	Bottom Girt	3/4	278	-0.923	6.104	15.1	Pass
T7	135 - 115	Bottom Girt	3/4	333	-0.837	6.104	13.7	Pass
T8	115 - 95	Bottom Girt	3/4	386	-0.892	6.104	14.6	Pass
T9	95 - 75	Bottom Girt	3/4	441	-0.906	6.104	14.8	Pass
T10	75 - 55	Bottom Girt	3/4	495	-0.976	6.104	16.0	Pass
T11	55 - 35	Bottom Girt	3/4	549	-1.030	6.104	16.9	Pass
T12	35 - 15	Bottom Girt	3/4	603	-1.046	6.104	17.1	Pass

<i>tnxTower</i> <i>B+T Group, Inc.</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	ATS#: B578 - EV Smithland South (Site# KY-1824)	47 of 47
	Project	Date
	255' 36G	15:10:16 03/19/25
	Client	Designed by
	APC Towers	clint.coody

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	σP_{allow} K	% Capacity	Pass Fail
T13	15 - 5	Bottom Girt	3/4	657	5.641	19.880	28.4	Pass
T14	5 - 0	Bottom Girt	3/4	687	1.936	19.880	9.7	Pass
T1	255 - 235	Guy A@245	5/8 EModulus	729	23.393	25.440	92.0	Pass
T3	215 - 195	Guy A@205	1/2 EModulus	721	14.403	16.140	89.2	Pass
T7	135 - 115	Guy A@132.211	3/8 EModulus	708	8.221	9.240	89.0	Pass
T10	75 - 55	Guy A@65	3/8 EModulus	702	7.180	9.240	77.7	Pass
T1	255 - 235	Guy B@245	5/8 EModulus	728	23.122	25.440	90.9	Pass
T3	215 - 195	Guy B@205	1/2 EModulus	717	14.255	16.140	88.3	Pass
T7	135 - 115	Guy B@132.211	3/8 EModulus	707	8.222	9.240	89.0	Pass
T10	75 - 55	Guy B@65	3/8 EModulus	701	7.189	9.240	77.8	Pass
T1	255 - 235	Guy C@245	5/8 EModulus	724	23.349	25.440	91.8	Pass
T3	215 - 195	Guy C@205	1/2 EModulus	709	14.416	16.140	89.3	Pass
T7	135 - 115	Guy C@132.211	3/8 EModulus	703	8.230	9.240	89.1	Pass
T10	75 - 55	Guy C@65	3/8 EModulus	697	7.174	9.240	77.6	Pass
T1	255 - 235	Top Guy	4x5/8	727	6.262	112.500	5.6	Pass
		Pull-Off@245						
T3	215 - 195	Top Guy	4x5/8	714	-6.998	24.488	28.6	Pass
		Pull-Off@205						
T7	135 - 115	Top Guy	4x5/8	706	3.384	112.500	3.0	Pass
		Pull-Off@132.211						
T10	75 - 55	Top Guy	4x5/8	700	3.478	112.500	3.1	Pass
		Pull-Off@65						
T3	215 - 195	Torque Arm	C12x20.7	712	-4.899	237.937	37.0	Pass
		Top@205						
							Summary	
							Leg (T3)	91.1 Pass
							Diagonal (T6)	83.0 Pass
							Horizontal (T1)	43.2 Pass
							Top Girt (T3)	74.2 Pass
							Bottom Girt (T2)	64.9 Pass
							Guy A (T1)	92.0 Pass
							Guy B (T1)	90.9 Pass
							Guy C (T1)	91.8 Pass
							Top Guy Pull-Off (T3)	28.6 Pass
							Torque Arm Top (T3)	37.0 Pass
							Bolt Checks	21.5 Pass
							RATING =	92.0 Pass



1 PLAN
SCALE: N.T.S.



2 SECTION
SCALE: N.T.S.

NOTES:

1. REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH 3" MINIMUM CLEAR COVER.
2. REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AND THE ACI 315 (LATEST EDITION).
3. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE GEOTECH REPORT FOR THIS PROJECT AND FOLLOW THE RECOMMENDATIONS IN THAT REPORT WHEN CONSTRUCTING THE FOUNDATION.
GEOTECHNICAL PROPERTIES BY: ENVIRONMENTAL CORPORATION OF AMERICA
PROJECT NUMBER: 24-003522
DATE: FEBRUARY 21, 2025
4. THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 222-H STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
5. CONCRETE VOLUME IN CUBIC YARDS: 2.73
6. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
7. CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.
8. ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
9. SLUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C143. THE ALLOWABLE CONCRETE SLUMP SHALL BE 4 INCHES (±1") UNLESS ADMIXTURES ARE USED. ADMIXTURE SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
10. BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM UNIT WEIGHT SPECIFIED IN GEOTECH REPORT. THE SOIL SHALL BE INSTALLED IN 6" TO 8" LIFTS AND COMPACTED THOROUGHLY TO ACHIEVE APPROPRIATE UNIT WEIGHT UNLESS GEOTECH SPECIFIES OTHER COMPACTION REQUIREMENTS.
11. VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.

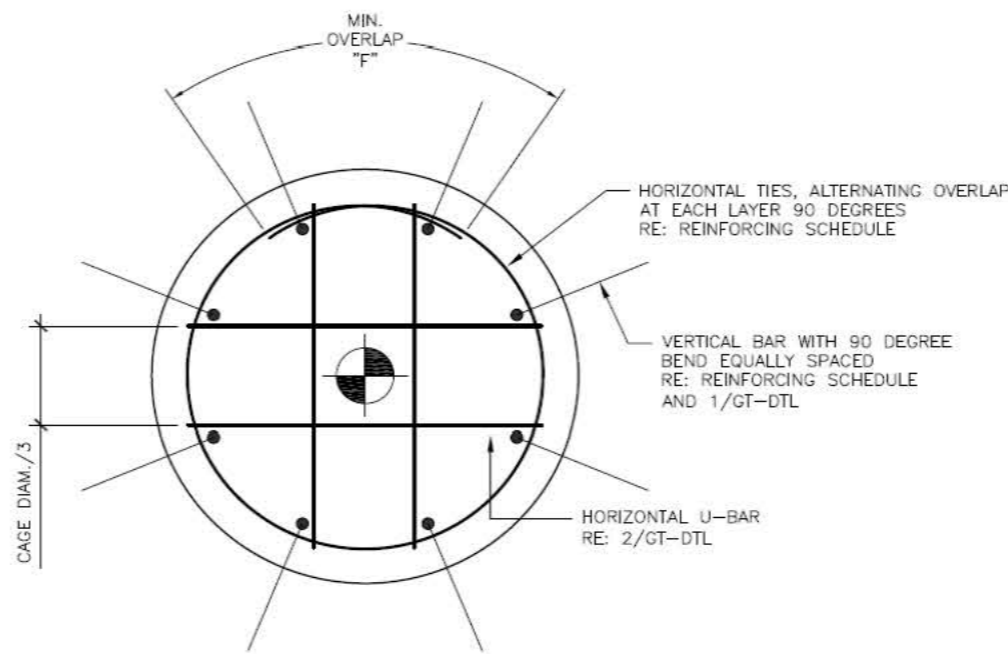
STIPULATION FOR REUSE:

1. THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

DIMENSIONING SCHEDULE	
A	6' 0"
B	6' 0"
C	0' 6"
D	5' 0"
E	1' 6"
MIN. OVERLAP "F"	2' 3"
DIAMETER	2' 6"
CENTER PIN PROJ.	4 IN.

REINFORCING SCHEDULE	SIZE	TOTAL QTY
VERTICAL BARS	# 6	9
HORIZONTAL TIES	# 4	12
U-BAR HORIZONTAL (PEDESTAL)	# 4	4
BOTTOM HORIZONTAL BARS	# 6	14
CORNER BARS	# 4	4

BASE REACTIONS: (FACTORED LOADS)		
VERTICAL	168	KIPS
HORIZONTAL	1	KIPS



3 SECTION
SCALE: N.T.S.



1717 S BOULDER AVE #300, TULSA, OK 74119
(918) 587-4630



ISSUED FOR:

REV	DATE	DESCRIPTION
0	04/01/25	ISSUED FOR CONSTRUCTION

COA: 4011

EXPIRES: 12/31/2025



IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTIONS OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

PROJECT INFORMATION:

PROJECT NO: 25-001520
SITE NAME: EV SMITHLAND SOUTH
SITE NO: KY-1824
CLIENT NAME: APC Towers

DRAWN BY: ANGELA ASHWOOD
CHECKED BY: BS

SHEET TITLE:

PIER AND PAD FOUNDATION

SHEET NUMBER:

GT-PPF

REVISION:

0



1717 S BOULDER AVE #300, TULSA, OK 74119
(918) 587-4630



ISSUED FOR:

REV	DATE	DESCRIPTION
0	04/01/25	ISSUED FOR CONSTRUCTION

COA: 4011

EXPIRES: 12/31/2025



IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS
THEY ARE ACTING UNDER THE DIRECTIONS OF A
LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS
DOCUMENT

PROJECT INFORMATION:

PROJECT NO: 25-001520
SITE NAME: EV SMITHLAND SOUTH
SITE NO: KY-1824
CLIENT NAME: APC Towers

DRAWN BY: ANGELA ASHWOOD
CHECKED BY: BS

SHEET TITLE:

ANCHOR BLOCK FOUNDATION

SHEET NUMBER:

GT-ABF

REVISION:

0

NOTES:

- REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH 3" MINIMUM CLEAR COVER.
- REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AND THE ACI 315 (LATEST EDITION).
- THE CONTRACTOR SHALL THOROUGHLY REVIEW THE GEOTECH REPORT FOR THIS PROJECT AND FOLLOW THE RECOMMENDATIONS IN THAT REPORT WHEN CONSTRUCTING THE FOUNDATION.
GEOTECHNICAL PROPERTIES BY: ENVIRONMENTAL CORPORATION OF AMERICA
PROJECT NUMBER: 24-003522
DATE: FEBRUARY 21, 2025
- THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 222-H STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
- CONCRETE VOLUME PER ANCHOR IN CUBIC YARDS: 1.04
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.
- ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
- SLUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C143. THE ALLOWABLE CONCRETE SLUMP SHALL BE 4 INCHES (± 1 ") UNLESS ADMIXTURES ARE USED.
- BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM UNIT WEIGHT SPECIFIED IN GEOTECH REPORT. THE SOIL SHALL BE INSTALLED IN 6" TO 8" LIFTS AND COMPACTED THOROUGHLY TO ACHIEVE APPROPRIATE UNIT WEIGHT UNLESS GEOTECH SPECIFIES OTHER COMPACTION REQUIREMENTS.
- VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.
- ANCHOR SHAFT: BY TOWER MANUFACTURER

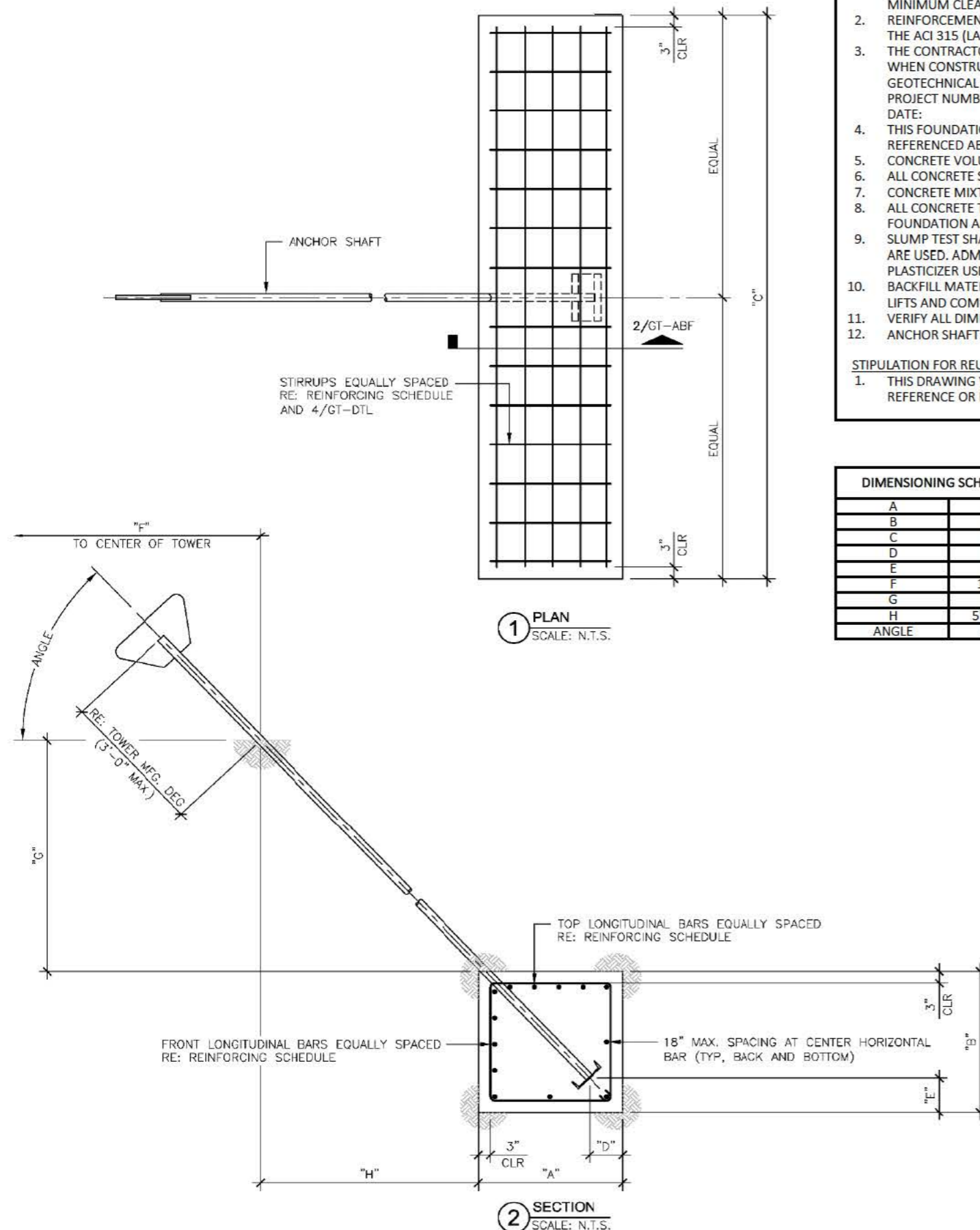
STIPULATION FOR REUSE:

- THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

DIMENSIONING SCHEDULE	
A	2' 0"
B	2' 0"
C	7' 0"
D	0' 6"
E	0' 6"
F	165' 0"
G	6' 0"
H	5' 4-1/2"
ANGLE	47.5°

REINFORCING SCHEDULE	SIZE	TOTAL QTY 3 ANCHORS
STIRRUPS	#4	24
LONGITUDINAL BARS TOP	#6	9
LONGITUDINAL BARS FRONT	#6	9
LONGITUDINAL BARS BACK	#6	3
LONGITUDINAL BARS BOTTOM	#6	6

BASE REACTIONS: (FACTORED LOADS)		
VERTICAL	48	KIPS
HORIZONTAL	44	KIPS





1717 S BOULDER AVE #300, TULSA, OK 74119
(918) 587-4630



ISSUED FOR:

REV	DATE	DESCRIPTION
0	04/01/25	ISSUED FOR CONSTRUCTION

COA: 4011

EXPIRES: 12/31/2025



IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS
THEY ARE ACTING UNDER THE DIRECTIONS OF A
LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS
DOCUMENT

PROJECT INFORMATION:

PROJECT NO: 25-001520
SITE NAME: EV SMITHLAND SOUTH
SITE NO: KY-1824
CLIENT NAME: APC Towers

DRAWN BY: ANGELA ASHWOOD
CHECKED BY: BS

SHEET TITLE:

DIMENSIONING DETAIL

SHEET NUMBER:

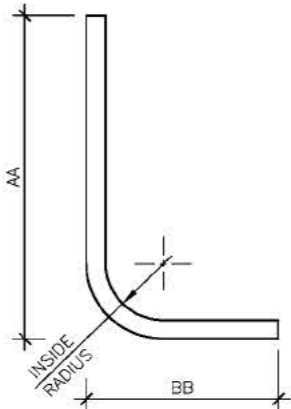
DTL

REVISION:

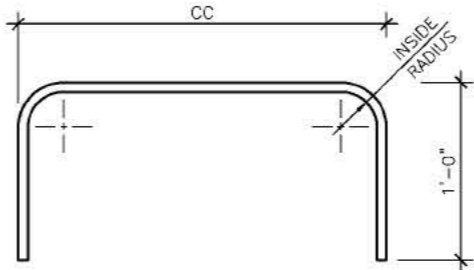
0

DIMENSIONING SCHEDULE	
AA*	4' 10-1/2"
BB	1' 0"
CC*	1' 10-5/8"
DD	3' 0"
EE*	1' 6"
FF*	1' 6"
GG	0' 3"

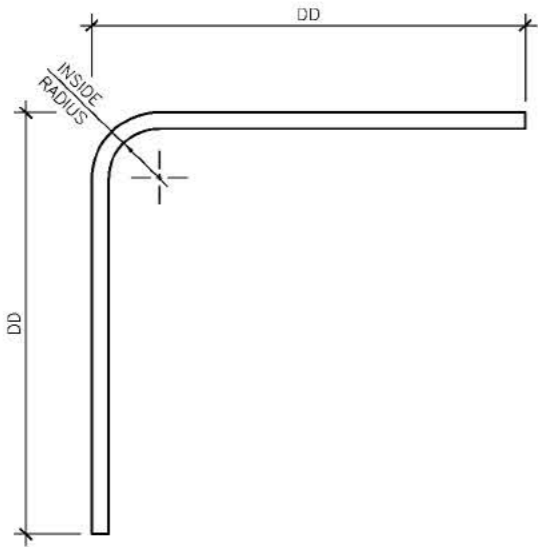
*NOTE: CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO FABRICATION



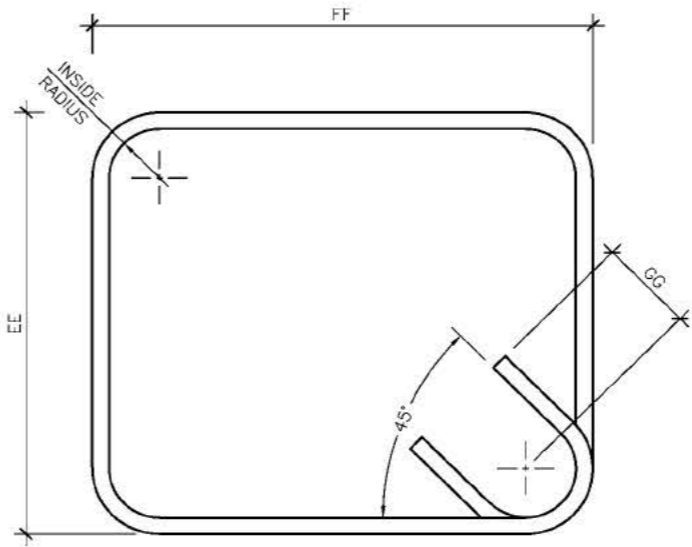
1 L-BAR
SCALE: N.T.S.



2 HORIZONTAL U-BAR
SCALE: N.T.S.



3 CORNER BAR
SCALE: N.T.S.



4 STIRRUP
SCALE: N.T.S.

Pier and Pad Foundation

Project #: 25-001520
 Site Name: EV Smithland Sout
 Site #: KY-1824

TIA-222 Revision: H
 Tower Type: Guyed

Top & Bot. Pad Rein. Different?: ☐
 Block Foundation?: ☐
 Rectangular Pad?: ☐

Superstructure Analysis Reactions		
Compression, P_{comp} :	168	kips
Base Shear, Vu_{comp} :	1	kips
Moment, M_u :	0	ft-kips
Tower Height, H :	255	ft
BP Dist. Above Fdn, bp_{dist} :	0	in
Bolt Circle / Bearing Plate Width, BC :	12	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, $dpier$:	2.5	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, Sc :	6	
Pier Rebar Quantity, mc :	9	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	9	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

Pad Properties		
Depth, D :	5	ft
Pad Width, W_1 :	6	ft
Pad Thickness, T :	1.5	ft
Pad Rebar Size (Bottom dir. 2), Sp_2 :	6	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	7	
Pad Clear Cover, cc_{pad} :	3	in

Material Properties		
Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	4	ksi
Dry Concrete Density, δc :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	110	pcf
Ultimate Net Bearing, Q_{net} :	15.000	ksf
Cohesion, C_u :	4.000	ksf
Friction Angle, ϕ :		degrees
SPT Blow Count, N_{blows} :		
Base Friction, μ :		
Neglected Depth, N :	1.67	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	N/A	ft

Foundation Analysis Checks				
	Capacity	Demand	Rating	Check
Lateral (Sliding) (kips)	154.91	1.00	0.6%	Pass
Bearing Pressure (ksf)	9.33	5.51	59.1%	Pass
Overturning (kip*ft)	262.08	5.50	2.1%	Pass
Pier Flexure (Comp.) (kip*ft)	339.00	4.00	1.2%	Pass
Pier Compression (kip)	3124.31	171.53	5.5%	Pass
Pad Flexure (kip*ft)	187.08	44.33	23.7%	Pass
Pad Shear - 1-way (kips)	94.77	17.24	18.2%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.190	0.042	22.0%	Pass
Flexural 2-way (Comp) (kip*ft)	374.15	2.40	0.6%	Pass

Structural Rating:	23.7%
Soil Rating:	59.1%

<-- Toggle between Gross and Net

Guyed Anchor Block Foundation

Checks capacity of anchor blocks for a guyed tower.

Project #:

25-001520

Site Name:

EV Smithland South

Site #:

KY-1824

Location:

B-2 (NW)

TIA-222 Revision:

H

Design Reactions		
Shear, S:	44.00	kips
Uplift, Ua:	48.00	kips
Resultant Force, Rf:	65.12	kips
Tower Height, H:	255.00	ft
Guy Anchor Radius, R:	165.00	ft
Resultant Angle to Horizontal, θ:	47.5	deg

Guy Anchor Properties		
Depth to Bottom of Deadman, Da:	8	ft
Anchor Width, Wa:	2	ft
Anchor Thickness, Ta:	2	ft
Anchor Length, La:	7	ft
Concrete Volume, Vc:	1.0	yd ³
Toe Width, toe:		ft
Guyed Anchor Top Rebar Size, Sat:	6	
No. of Bars in Top of Block:	3	
Guyed Anchor Front Rebar Size, Saf:	6	
No. of Bars in Front of Block:	3	
Stirrup Size:	4	

Material Properties		
Rebar Grade, Fy:	60	ksi
Concrete Strength, F'c:	4	ksi
Wt. Avg. Concrete Density, δx:	0.150	kcf
Clear Cover, cc:	3	in

Design Checks				
	Capacity	Demand	Rating	Check
Lateral Capacity (kips):	47.53	44.00	92.6%	Pass
Uplift Capacity (kips):	61.46	48.00	78.1%	Pass
Lateral Flexural Capacity (ft*kips):	116.66	38.50	33.0%	Pass
Uplift Flexural Capacity (ft*kips):	116.66	42.00	36.0%	Pass

Anchor Shaft Rating:	N/A
Structural Rating:	36.0%
Soil Rating:	92.6%

Neglect Depth, Neg:	1.666666667	ft
Groundwater Level, gw:	N/A	ft

Soil Properties:		No. of Soil Layers:		2		
Layer	φ, deg	cu, ksf	δ, pcf	d, ft	Ultimate fs (ksf)	N (blows/ft)
1	36	0.000	120	3.50		50
2	38	0.000	125	8.00		50

*key: φ = Internal Angle of Friction
cu = Cohesion / Undrained Shear Strength
δ = Buoyant Soil Unit Weight
d = Depth to Bottom of Layer
Ultimate fs = Geotechnical Report-provided skin friction / adhesion
N = SPT Blow Count

EXHIBIT D

COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST

KY Public Service Commission

Master Utility Search

- Search for the utility of interest by using any single or combination of criteria.
- Enter Partial names to return the closest match for Utility Name and Address/City/Contact entries.

Utility ID **Utility Name** **Address/City/Contact** **Utility Type** **Status**

	Utility ID	Utility Name	Utility Type	Class	City	State
<input type="button" value="View"/>	4002000	1GLOBAL Operations (US) Inc.	Cellular	D	Durham	NC
<input type="button" value="View"/>	4111300	2600Hz, Inc. dba ZSWITCH	Cellular	D	Henderson	NV
<input type="button" value="View"/>	4115150	ACN Communication Services, LLC dba Flash Wireless dba Flash Mobile	Cellular	D	Charlotte	NC
<input type="button" value="View"/>	4115750	Affiniti Ventures, Inc.	Cellular	C	New York	NY
<input type="button" value="View"/>	4113600	AFNET, LLC	Cellular	D	Alpharetta	GA
<input type="button" value="View"/>	4108300	Air Voice Wireless, LLC d/b/a AirTalk Wireless	Cellular	A	Houston	TX
<input type="button" value="View"/>	4115200	Airespring, Inc.	Cellular	D	Clearwater	FL
<input type="button" value="View"/>	4111900	ALLNETAIR, INC.	Cellular	D	West Palm Beach	FL
<input type="button" value="View"/>	44451184	Alltel Corporation d/b/a Verizon Wireless	Cellular	A	Lisle	IL
<input type="button" value="View"/>	4110850	AltaWorx, LLC	Cellular	D	Fairhope	AL
<input type="button" value="View"/>	4107800	American Broadband and Telecommunications Company	Cellular	D	Toledo	OH
<input type="button" value="View"/>	4108650	AmeriMex Communications Corp.	Cellular	D	Safety Harbor	FL

View	4105100	AmeriVision Communications, Inc. d/b/a Affinity 4	Cellular	D	Virginia Beach	VA
View	4114250	Approved Contact LLC	Cellular	D	Reno	NV
View	4115050	Aquarius Silver LLC	Cellular	C	Sheridan	WY
View	4105700	Assurance Wireless USA, L.P.	Cellular	D	Atlanta	GA
View	4113100	BARK TECHNOLOGIES, INC.	Cellular	D	Charlotte	NC
View	4108600	BCN Telecom, Inc.	Cellular	D	Morristown	NJ
View	4106000	Best Buy Health, Inc. d/b/a GreatCall d/b/a Jitterbug	Cellular	A	San Diego	CA
View	4111050	BlueBird Communications, LLC	Cellular	D	New York	NY
View	4107600	Boomerang Wireless, LLC	Cellular	A	Dallas	TX
View	4115500	CALL CENTERS INDIA INCORPORATED d/b/a Blueconnects	Cellular		Seattle	WA
View	4100700	Cellco Partnership dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4106600	Cintex Wireless, LLC	Cellular	D	Houston	TX
View	4114550	Cliq Communications LLC d/b/a Cliq Mobile	Cellular	D	Coral Gables	FL
View	4111150	Comcast OTR1, LLC	Cellular	A	Phoeniexville	PA
View	4113550	Comlink Total Solutions Corp	Cellular	D	Fort Myers	FL
View	4101900	Consumer Cellular, Incorporated	Cellular	A	Portland	OR
View	4112700	Cox Wireless, LLC	Cellular	D	Atlanta	GA
View	4108850	Cricket Wireless, LLC	Cellular	A	San Antonio	TX
View	4111500	CSC Wireless, LLC d/b/a Altice Wireless	Cellular	A	Long Island City	NY
View	4114000	Daywalker Mobile Inc.	Cellular	D	Bartlesville	OK
View	4112000	DISH Wireless L.L.C.	Cellular	A	Englewood	CO
View	4111200	Dynalink Communications, Inc.	Cellular	C	Brooklyn	NY
View	4111800	Earthlink, LLC	Cellular	C	Atlanta	GA
View	4101000	East Kentucky Network, LLC dba Appalachian Wireless	Cellular	A	Ivel	KY
View	4002300	Easy Telephone Service Company dba Easy Wireless	Cellular	D	Ocala	FL
View	4109500	Enhanced Communications Group, LLC	Cellular	D	Bartlesville	OK

View	4113800	EVOLVE WIRELESS LLC	Cellular	D	Maumee	OH
View	4110450	Excellus Communications, LLC	Cellular	D	Harrisburg	SD
View	4112400	Excess Telecom Inc.	Cellular	D	Beverly Hills	CA
View	4104800	France Telecom Corporate Solutions L.L.C.	Cellular	D	Herndon	VA
View	4111750	Gabb Wireless, Inc.	Cellular	A	Lehi	UT
View	4109350	Global Connection Inc. of America	Cellular	D	Miami	FL
View	4102200	Globalstar USA, LLC	Cellular	C	Covington	LA
View	4112850	GO TECHNOLOGY MANAGEMENT, LLC	Cellular	D	Atlanta	GA
View	4109600	Google North America Inc.	Cellular	A	Mountain View	CA
View	33350363	Granite Telecommunications, LLC	Cellular	D	Quincy	MA
View	4114300	Group F Consulting, LLC	Cellular	D		
View	4114050	Helix Wireless Inc.	Cellular	D	Monmouth Junction	NJ
View	4111350	HELLO MOBILE TELECOM LLC	Cellular	D	Dania Beach	FL
View	4112950	Hoop Wireless, LLC	Cellular	D	Lakewood	NJ
View	4103100	i-Wireless, LLC	Cellular	D	Newport	KY
View	4112550	IDT Domestic Telecom, Inc.	Cellular	D	Newark	NJ
View	4109800	IM Telecom, LLC d/b/a Infiniti Mobile	Cellular	D	Plano	TX
View	4112650	Insight Mobile, Inc.	Cellular	D	Los Angeles	CA
View	4111950	J Rhodes Enterprises LLC	Cellular	D	Gulf Breeze	FL
View	22215360	KDDI America, Inc.	Cellular	D	Staten Island	NY
View	10872	Kentucky RSA #1 Partnership	Cellular	A	Basking Ridge	NJ
View	4112200	Lexvor Inc.	Cellular	D	Irvine	CA
View	4111250	Liberty Mobile Wireless, LLC	Cellular	B	Sunny Isles Beach	FL
View	4114900	Liberty Wireless, LLC	Cellular	D	Rockville	MD
View	4114750	Link Mobile, Inc.	Cellular	D	New York	NY
View	4111400	Locus Telecommunications, LLC	Cellular	B	Fort Lee	NJ
View	4114500	Lux Mobile USA, Inc	Cellular	D	Baton Rouge	LA
View	4107300	Lycamobile USA, Inc.	Cellular	D	Newark	NJ
View	4112500	Marconi Wireless Holdings, LLC	Cellular	B	Westlake Village	CA
View	4113850	MAXSIP TEL KENTUCKY LLC d/b/a Maxsip	Cellular	D	Woodmere	NY

		Telecom				
View	4114800	Mediacom Wireless LLC	Cellular	D	Mediacom Park	NY
View	4108800	MetroPCS Michigan, LLC	Cellular	A	Bellevue	WA
View	4111700	Mint Mobile, LLC	Cellular	A	Costa Mesa	CA
View	4115100	Mobile 13, Inc	Cellular	D	South Jordan	UT
View	4114100	MVNO Connect LLC	Cellular	D	St. Petersburg	FL
View	4113350	NatWireless, LLC	Cellular	D	Houston	TX
View	4202400	New Cingular Wireless PCS, LLC	Cellular	A	San Antonio	TX
View	4110700	Norcell, LLC	Cellular	D	Clayton	WA
View	4113700	Nova Labs, Inc. dba Helium Mobile	Cellular	D	Las Vegas	NV
View	4110750	Onvoy Spectrum, LLC	Cellular	D	Chicago	IL
View	4114950	Panda Mobile LLC	Cellular	D	Sparks	NV
View	4109050	Patriot Mobile LLC	Cellular	A	Grapevine	TX
View	4115600	PHREELI COMPANY	Cellular	C	Lewes	DE
View	4110250	Plintron Technologies USA LLC	Cellular	D	Bellevue	WA
View	4115650	PLUG MOBILE LLC	Cellular	C	St. Louis	MO
View	33351182	PNG Telecommunications, Inc. dba PowerNet Global Communications	Cellular	D	Cincinnati	OH
View	4114850	POWER MOBILE LLC	Cellular	C	Rockville Centre	NY
View	4112800	Prepaid Wireless Group, LLC dba Prepaid Wireless Wholesale	Cellular	D	Rockville	MD
View	4115550	Prepaid Wireless Wholesale of Maryland, LLC	Cellular	C	Rockville	MD
View	4114350	PRESTO WIRELESS Corp.	Cellular	D	Fair Lawn	NJ
View	4115000	Prosper Wireless LLC	Cellular	D	Sherman Oaks	CA
View	4107700	Puretalk Holdings, Inc.	Cellular	B	Covington	GA
View	4106700	Q Link Wireless, LLC	Cellular	A	Dania	FL
View	4115900	RABONA CORPORATION	Cellular	C	New York	NY
View	4108700	Ready Wireless, LLC	Cellular	D	Cedar Rapids	IA
View	4113200	Red Pocket Inc.	Cellular	D	Thousand Oaks	CA
View	4114200	Roccstar Wireless LLC	Cellular	D	Bedford	TX
View	4114700	Rocket Mobile LLC	Cellular	C	West Palm Beach	FL

View	4115400	RSCU Mobile, LLC	Cellular	D	Alpine	UT
View	4106200	Rural Cellular Corporation	Cellular	A	Basking Ridge	NJ
View	4108550	Sage Telecom Communications, LLC dba TruConnect	Cellular	A	Los Angeles	CA
View	4113050	Sarver Corporation	Cellular	D	Rancho Cucamonga	CA
View	4109150	SelecTel, Inc. d/b/a SelecTel Wireless	Cellular	A	Fremont	NE
View	4110150	Spectrotel of the South LLC dba Touch Base Communications	Cellular	D	Neptune	NJ
View	4111450	Spectrum Mobile, LLC	Cellular	A	St. Louis	MO
View	4114400	Splash Cellular Inc.	Cellular	D	Bountiful	UT
View	4111600	STX Group LLC dba Twigby	Cellular	D	Murfreesboro	TN
View	4115450	Surf Telecom, LLC	Cellular	C	Key Bixcayne	FL
View	4113450	Syntegra North America, LLC	Cellular	D	Denton	TX
View	4202200	T-Mobile Central, LLC dba T-Mobile	Cellular	A	Bellevue	WA
View	4002500	TAG Mobility, LLC d/b/a TAG Mobile	Cellular	D	Plano	TX
View	4115850	TELCO Communications LLC dba TELCO CELLULAR	Cellular	C	Oceanside	NY
View	4107200	Telefonica Global Solutions USA, Inc.	Cellular	D	Miami	FL
View	4112100	Tello LLC	Cellular	A	Atlanta	GA
View	4108900	Telrite Corporation	Cellular	D	Covington	GA
View	4108450	Tempo Telecom, LLC	Cellular	D	Dallas	TX
View	4113900	TERRACOM Inc. d/b/a Maxsip Tel	Cellular	D	Chattanooga	TN
View	4113950	THE LIGHT PHONE INC.	Cellular	D	Brooklyn	NY
View	4113250	Thrive Health Tech, Inc.	Cellular	D	Nashville	TN
View	4110400	Torch Wireless Corp.	Cellular	C	Bartlett	TN
View	4103300	Touchtone Communications, Inc.	Cellular	D	Cedar Knolls	NJ
View	4104200	TracFone Wireless, Inc.	Cellular	D	Miami	FL
View	4115350	TREK CELLULAR, LLC	Cellular	D	Stevensville	MD
View	4112250	TROOMI WIRELESS, Inc.	Cellular	D	Orem	UT
View	4114600	TruConnect Communications, Inc.	Cellular	D	Los Angeles	CA
View	4112600	Tube Incorporated dba Reach Mobile	Cellular	D	Atlanta	GA

View	4112750	Unity Wireless, Inc.	Cellular	D	Pembroke Pines	FL
View	4115800	USA Mobile LLC	Cellular	C	Laguna Beach	CA
View	4110300	UVNV, Inc. d/b/a Mint Mobile	Cellular	C	Costa Mesa	CA
View	10630	Verizon Americas LLC dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4113300	Via Wireless, LLC	Cellular	D	Houston	TX
View	4110800	Visible Service LLC	Cellular	D	Basking Ridge	NJ
View	4115700	Viva-US Communications, Inc.	Cellular	C	San Diego	CA
View	4113750	VOLT MOBILE Inc	Cellular	D	Delray Beach	FL
View	4114450	WeIncentivize LLC d/b/a ChosenWireless	Cellular	D	San Diego	CA
View	4113000	Whoop Connect Inc.	Cellular	D	Melbourne	FL
View	4115250	WHOOB MOBILE INC.	Cellular	C	Melbourne	FL
View	4106500	WiMacTel, Inc.	Cellular	D	Calgary, AB	CA
View	4110950	Wing Tel Inc.	Cellular	C	New York	NY
View	4113400	Wrizzle, Inc.	Cellular	D	New Milford	CT
View	4113650	XCHANGE TELECOM LLC	Cellular	D	Brooklyn	NY
View	4112150	Zefcom, LLC	Cellular	C	Wichita Falls	TX

EXHIBIT E

FAA



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2024-ASO-23017-OE

Issued Date: 02/19/2025

Jonathan Greene
APC Towers
8601 Six Forks Rd
Suite 250
Raleigh, NC 27615

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Antenna Tower KY-1824 EV Smithland South
Location:	Smithland, KY
Latitude:	37-05-47.91N NAD 83
Longitude:	88-24-00.36W
Heights:	425 feet site elevation (SE) 260 feet above ground level (AGL) 685 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

Emissions from this site must be in compliance with the parameters set by collaboration between the FAA and telecommunications companies and reflected in the FAA 5G C band compatibility evaluation process (such as power, frequencies, and tilt angle). Operational use of this frequency band is not objectionable provided the Wireless Providers (WP) obtain and adhere to the parameters established by the FAA 5G C band compatibility evaluation process. **Failure to comply with this condition will void this determination of no hazard.**

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 M Change 1, Obstruction Marking and Lighting, a med-dual system-Chapters 4,8(M-Dual),&15.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.

This determination expires on 08/19/2026 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (718) 553-2611, or angelique.m.griffin@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2024-ASO-23017-OE.

Signature Control No: 639754461-647844153

Angelique Griffin
Technician

(DNE)

Attachment(s)
Additional Information
Case Description
Frequency Data
Map(s)

cc: FCC

The FAA recognizes emissions in 3.7-3.98 GHz at this location will result in Electromagnetic Interference (EMI) as described in Airworthiness Directives (AD) 2021-23-12 and 2021-23-13. NAS services including airport and helicopter operations within a radius of 42 NM will be impacted by 5G RF emissions. Operational use of this frequency band is not objectionable provided the Wireless Providers (WP) obtain and adhere to the parameters established by the FAA 5G C band compatibility evaluation process.

BASIS FOR DECISION

Part 77 authorizes the FAA to evaluate a structure or object's potential electromagnetic effects on air navigation, communication facilities, and other surveillance systems. It also authorizes study of impact on arrival, departure, and en route procedures for aircraft operating under visual or instrument flight rules, as well as the impact on airport traffic capacity at existing public use airports. Broadcast in the 3.7 to 3.98 GHz frequency (5G C band) currently causes errors in certain aircraft radio altimeters and the FAA has determined they cannot be relied upon to perform their intended function when experiencing interference from wireless broadband operations in the 5G C band.

The FAA has adopted Airworthiness Directives for all transport and commuter category aircraft equipped with radio altimeters that prohibit certain operations when in the presence of 5G C band. This determination of no hazard is based upon those mitigations implemented by the FAA and operators of transport and commuter category aircraft, and helicopters operating in the vicinity of your proposed location. It is also based on telecommunication industry and FAA collaboration on acceptable power levels and other parameters as reflected in the FAA 5G C band evaluation process.

The FAA 5G C band compatibility evaluation is a data analytics system used by FAA to evaluate operational hazards related to aircraft design. The FAA 5G C band compatibility evaluation process refers to the process in which the telecommunication companies and the FAA have set parameters, such as power output, locations, frequencies, and tilt angles for antenna that mitigate the hazard to aviation.

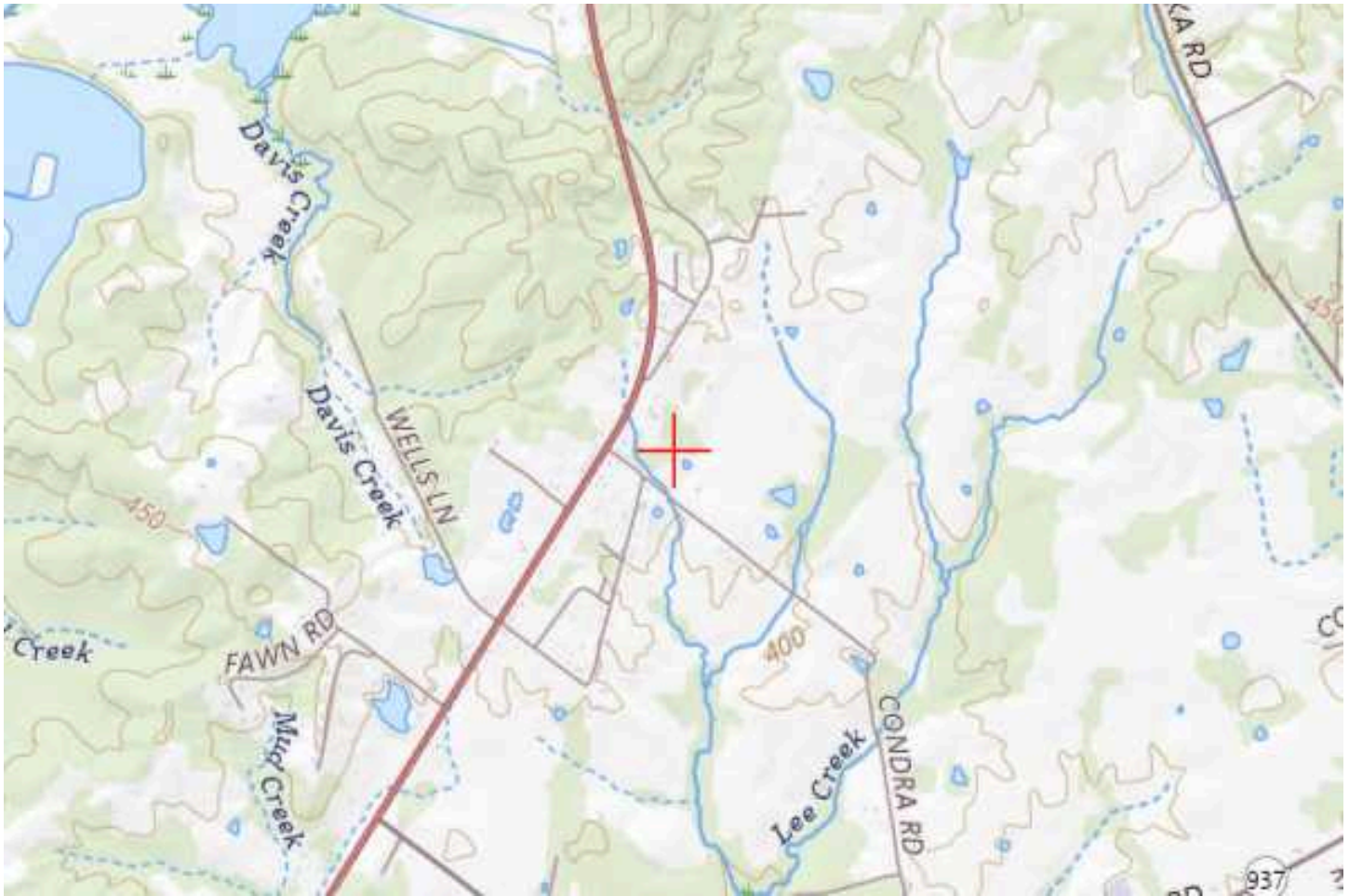
As the telecommunication companies and FAA refine the tools and methodology, the allowable frequencies and power levels may change in the FAA 5G C band compatibility evaluation process. Therefore, your proposal will not have a substantial adverse effect on the safe and efficient use of the navigable airspace by aircraft provided the equipment and emissions are in compliance with the parameters established through the FAA 5G C band compatibility evaluation process.

Any future changes that are not consistent with the parameters listed in the FAA 5G C band compatibility evaluation process will void this determination of no hazard.

Proposed new antenna tower

Frequency Data for ASN 2024-ASO-23017-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
6	7	GHz	55	dBW
6	7	GHz	42	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	2000	W
614	698	MHz	1000	W
698	806	MHz	1000	W
806	824	MHz	500	W
806	901	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W
3700	3980	MHz	3280	W
3700	3980	MHz	1640	W



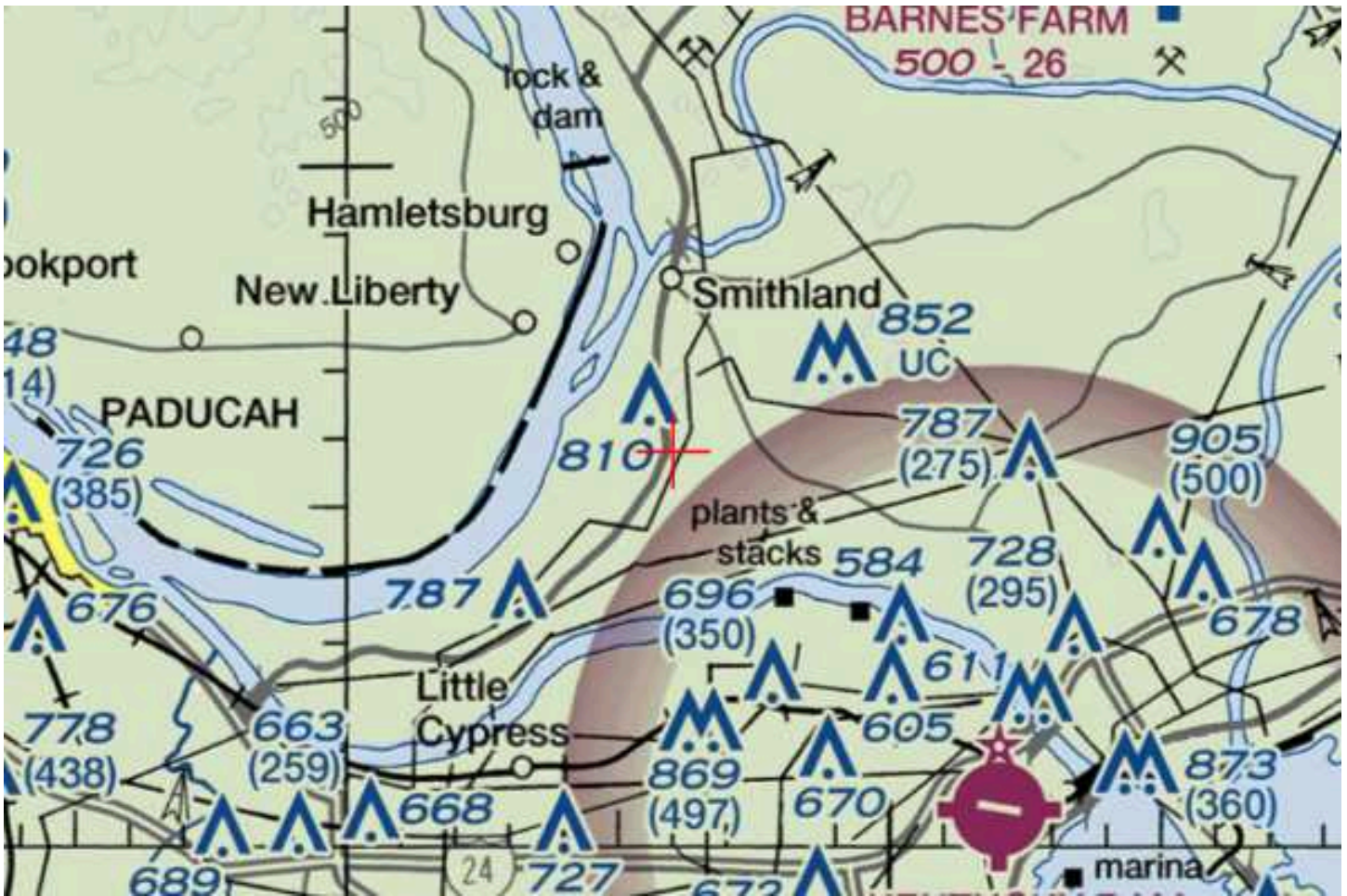


EXHIBIT F

KENTUCKY AIRPORT ZONING COMMISSION



KENTUCKY AIRPORT ZONING COMMISSION

ANDY BESHEAR
Governor

Department of Aviation, 90 Airport Road
Frankfort, KY 40601
www.transportation.ky.gov
502-564-0151

JIM GRAY
Secretary

APPROVAL OF APPLICATION

Monday, April 7, 2025

Maddie Macchi
8601 Six Forks Road, Suite 250
Raleigh, NC 27615

AS-2025-018-M34 **KY Dam State Park Airport**
APPLICANTS NAME: Maddie Macchi
NEAREST CITY: Smithland, KY
LATITUDE/LONGITUDE: 37°05'47.91" N, 88°24'0.36" W
HEIGHT (In Feet): 260' AGL /685' AMSL
CONSTRUCTION PROPOSED: Telecommunications Tower

NOTES: The tower location is approx 7 nm NW of M34, exceeds 200 ft AGL, and penetrates no protected air surfaces.

FAA DETERMINATION: 2024-ASO-23017-OE. No Hazard to Air Navigation. Marked & lighted IAW FAA AC 70/7460-1 M C1; med-dual system-Chapters 4,8(M-Dual) &15. Emissions must comply with FAA 5G C band compatibility evaluation process.

This letter is to notify you that the Kentucky Airport Zoning Commission approved your permit application for the construction of Structures at the Location, Coordinates, and Height as indicated above. Construction must comply with requirements, if any, listed in the FAA Determination.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

An email of this letter was also sent to your representative, Maddie Macchi, at mmacchi@apctowers.com. If you have any questions, please contact us.

Respectfully,

Anthony Adams

Airport Zoning Administrator
Department of Aviation
502-564-0151 office
AirportZoning@ky.gov



EXHIBIT G
GEOTECHNICAL REPORT



ENVIRONMENTAL CORPORATION OF AMERICA

ENVIRONMENTAL | GEOTECHNICAL | WETLANDS | ECOLOGY | CULTURAL RESOURCES

Geotechnical Investigation

APC Towers, LLC Site - EV Smithland South (KY-1824)

**Off Condra Road
Smithland, Livingston County,
Kentucky**

ECA Project No. 24-003522



SUBMITTED TO:

APC Towers IV, LLC
8601 Six Forks Rd., Suite 250
Raleigh, NC 27615

PREPARED BY:

Environmental Corporation of America
1375 Union Hill Industrial Court, Suite A
Alpharetta, GA 30004



ENVIRONMENTAL CORPORATION OF AMERICA

ENVIRONMENTAL | GEOTECHNICAL | WETLANDS | ECOLOGY | CULTURAL RESOURCES

February 21, 2025

APC Towers IV, LLC
8601 Six Forks Rd., Suite 250
Raleigh, NC 27615

Attention: Mr. Jonathan Greene

Subject: Geotechnical Investigation Report
APC Towers, LLC Site - EV Smithland South (KY-1824)
Off Condra Road
Smithland, Livingston County, Kentucky
ECA Project No. 24-003522

Dear Mr. Greene:


Environmental Corporation of America (ECA) is pleased to submit this report of our geotechnical investigation for the proposed project. Our services were provided as authorized by APC Towers IV, LLC, using a purchase order approval dated February 13, 2025.

This report presents a review of the information provided to us, a description of the site and subsurface conditions, and our recommendations. The appendices contain a Site Location Map, a Boring Location Plan, and Boring Logs.


We will be happy to discuss our recommendations with you and look forward to providing the additional studies or services necessary to complete this project. We appreciate the opportunity to be of service. Please call us with any questions at (770) 667-2040.

Sincerely,

Environmental Corporation of America


Athulya Balakrishnan, P.E.
Geotechnical Engineer
State of Kentucky P.E. #39178




Marvin G. Webster
President

Purpose and Scope of Work

The purpose of this investigation was to obtain specific subsurface data at the project location and to provide geotechnical related parameters for the design and construction of foundations for a new tower and associated guy anchors.

Our scope of work included the following:

- Four (4) soil test borings were drilled to depths ranging from 8.5 to 12.5 feet below ground surface (bgs).
- Figure 1 shows the Site Location Map. Figure 2 shows the Boring Location Plan.
- Standard penetration tests (SPTs) were conducted to obtain soil samples and SPT N-values, in accordance with ASTM D-1586.
- The depth to groundwater, if any, was measured in the boring after drilling was completed.
- Natural moisture content (WC_N) tests were performed on a selected number of soil samples in accordance with ASTM D-2216.
- A soil laboratory resistivity test was conducted in accordance ASTM G-57.
- Unconfined compressive strength (q_u) index tests were performed using the pocket penetrometer test or the spring tester test (whenever possible).
- The soil samples were visually classified in accordance with ASTM D-2488 and a boring log was prepared.
- The soil conditions were evaluated by a registered professional engineer and this geotechnical report was prepared with our recommendations.

We have recommended design parameters and settlements based on the SPT N-values, an examination of the soil samples, and our experience with similar soil conditions and structures.

Project Information

We were provided with a preliminary site plan prepared by Mission 1 Communications, dated November 22, 2024. The proposed tower would be located at off Condra Road, near Smithland, Livingston County, Kentucky.

We understand that plans include constructing a 260-foot tall guyed-type tower with three guy anchors, as shown on Figure 2 in Appendix A. We assume that the equipment building/cabinet

will be a prefabricated structure supported on a perimeter grade beam, spread footing or turndown slab. The project also includes constructing a 30-foot wide ingress/egress and utility easement.

Field Drilling Work

The drilling work was conducted on February 14, 2025. Information obtained from the boring logs was used to help us evaluate the subsurface conditions and to assist in formulating our recommendations. The site was not staked at the time of our field visit. Boring B-4 was offset 15 feet from the location due to tree line.

Subsurface Soil Conditions (Borings B-1, B-2, B-3, and B-4)

The subsurface conditions were explored with four soil test borings, drilled approximately as shown on Figure 2.

Boring B-1 (Lease Area Center): In general, soils at the site consisted of very hard silty Clay (CL) to an approximate depth of 3.5 feet, underlain by Weathered Shale manually described as very dense silty Gravel (Weathered Shale) to the full depth drilled of 10 feet bgs. Auger refusal was encountered at 10 feet.

The following table presents a summary of the existing soil conditions in Boring B-1.

Soil Profile Depth (ft)		Type of Soils (Soil Manual Classification)	*Soil Symbols	SPT N-Values bpf (blows per foot)
0	3.5	Very hard silty Clay	CL	Over 50
3.5	10	Weathered Shale manually described as very dense silty Gravel	Weathered Shale	Over 50

*Soil symbols are based in the Unified Soil Classification System (USCS).

The encountered upper silty clay soil layer is considered very hard in consistency with estimated unconfined compressive strength (qu) measurement of 8,000 psf. The encountered weathered shale layer is very dense in terms of relative density. Soil natural moisture was manually described as dry and damp.

Borings B-2 (Northwest), B-3 (East), and B-4 (Southwest) were drilled near the locations of the proposed guy anchors. It is our understanding that these three borings were drilled for the evaluation of the subsurface conditions for the design of new guy anchors.

Guy Anchor Boring (B-2, B-3, and B-4): In general, soils consisted of hard silty Clay (CL) to an approximate depth of ranging between ground surface and 3.5 feet, underlain by Weathered Shale manually described as very dense silty Gravel (Weathered Shale) to the auger refusal depths. Auger refusal was encountered at 11 feet, 8.5 feet and 12.5 feet for borings B2, B-3 and B-4 respectively. The SPT N-values within the described depths are shown on the attached boring logs and all were over 50 bpf. Soil natural moisture was manually described as dry and damp.

All final boring logs are shown in Appendix B.

Groundwater Level Conditions

A ground water level was not encountered at any of the four borings within the depths drilled. It should be noted that groundwater level observations made within mostly cohesive soils during drilling could be misleading. It should be anticipated that the groundwater level will fluctuate due to seasonal changes during the year. To determine actual groundwater level measurements, groundwater levels should be measured using observation wells installed for prolonged periods.

Laboratory Electrical Resistivity Test

A laboratory resistivity value of 5,311 ohms-cm was reported. A table with the laboratory test data is shown in Appendix C. It should be noted that the soil samples were saturated for this testing procedure. Based on the laboratory test results, most of the soil is rated “Moderately-Corrosive”.

Foundation Recommendations

The subsurface conditions are suitable for support of the tower using a conventional shallow foundation system.

For the case of a conventional shallow foundation the soils are capable of a maximum net allowable soil bearing pressure (q_{ALL}) of 5,000 psf (pounds per square foot) at a minimum embedment depth of (D_f) of 3.5 feet bgs. Total and differential settlement should be less than 1-inch and ½-inch, respectively. A safety factor (SF) of 3 and a wet soil unit weight (γ_{wet}) of 120 pcf (pounds per cubic foot) was considered for soil bearing calculations.

The provided soil bearing pressure assumes the bottom of excavation would be dry and stable. The bottom of excavation should be proof rolled, observed, and inspected prior to placing any concrete. For more details, please refer to our Fill Placement Section.

Tower Guy Anchors

We assume that the guy anchors will consist of a deadman or concrete blocks and that compacted backfill will be placed around the guy anchors to a density equivalent to at least 95% of the standard proctor maximum dry density (γ_{dmax}). The following table presents our review of the subsurface conditions encountered in each boring at the proposed guy-anchor locations.

Boring No. (Guy Anchor)	Depth (feet)	*Soil Unit Weight (pcf)	Friction Angle (deg)	Cohesion (psf)	Earth Pressure Coefficients		
					K_A	K_P	K_O
B-2 (NW) B-3 (E)	0 - 3.5	120	36	0	0.26	3.85	0.41
	3.5 - 11	125	38	0	0.24	4.20	0.38
B-4 (SW)	0 - 3.5	120	0	3,500	1.00	1.00	1.00
	3.5 - 12.5	125	38	0	0.24	4.20	0.38

Guy anchor concrete blocks should be founded at a minimum depth of foundation (D_f) between 4 and 6 feet below existing grade elevations.

Building Foundations

The proposed equipment building can be supported on a perimeter grade beam, spread footing or turndown slab foundation. For the design of the building foundation the soils are capable of a maximum net allowable soil bearing pressure (q_{ALL}) of 2,000 psf. A minimum depth of foundation (D_f) of 1.5 feet below existing grades elevations should be considered. Total and differential settlements should be less than 1/2-inch and 1/4-inch, respectively.

Ground floor slabs may be designed as conventional slabs on grade over the existing soils or on engineered compacted fill using a Modulus of Subgrade Reaction (K_s) of 85 pci (pounds per cubic inch). Bearing pad should be prepared and compacted prior to placing any concrete. Contractors should verify the Fill Placement section of this report. For these foundations, ECA recommends a minimum concrete strength (f'_c) of 4,000 psi (pounds per square inch). We recommend a value of 150 pcf for concrete.

Soil Site Class

Based on our site evaluation and the information provided by the International Building Code (IBC 2012 / ASCE 7-10), to perform a dynamic analysis the clients design engineer should consider that the soils at the site fall under a **Very Dense Soil Profile and Site Class C**.

Foundation Excavations

A groundwater level was not encountered during drilling operations. Therefore, the prospective contractor should not need to consider excavation dewatering.

A very dense weathered shale rock formation was encountered at the site in all four borings below 3.5 feet. The prospective contractor should consider specialized equipment for hard soil excavation.

To avoid softening of the shallow soils exposed at the foundation bearing level, excavations should not be left open for extended periods prior to placing reinforcing steel and concrete. If rain or freezing weather is expected, excavations should not be completed. Leaving the excavations at least 1-foot above final grade should protect the bearing soils from deterioration.

If the excavation must remain open overnight or if rainfall becomes imminent while the bearing soils are exposed, we recommend that a 2 to 4-inch thick "mud-mat" of "lean" (2,000 psi) concrete be placed on the bearing soils before the placement of reinforcing steel. If the bearing soils are softened by surface water intrusion or exposure, the softened soils must be removed from the foundation excavation bottom immediately prior to placement of concrete.

Fill Placement

If required, borrow materials for fill, **unless otherwise specified**, should consist of essentially granular material (GW, GP, GM, GC, SW, SP or SM Unified Soil Classification System); **A-2-4 or better**, AASHTO Classification, as approved by the **Project Geotechnical Engineer**. These should be free from vegetation and should not contain rocks greater than 6 inches in size.

Any placed backfill required to attain finished grade should be placed in an engineered fashion with layers not exceeding 8- to 10-inch thick lifts and compacted to not less than 95% of the Standard Proctor Maximum dry density, as determined by method ASTM D-698. The soil moisture content should be close to the optimum moisture content. All required fills should meet the specified compaction criteria.

ECA does not know the capability of the surficial soil to support pavements. However, we suggest that the upper soils be replaced by granular fill in areas of heavy traffic to improve the subgrade support capabilities and moisture sensitivity.

Field density tests should be conducted at routine intervals as fill is being placed to verify that adequate compaction is achieved. Prior to placing any new fill, any soft or loose near surface soils should be removed and the area proof-rolled with a heavy vehicle or a heavy compaction vibratory roller to confirm that any unsuitable soil conditions have been discovered.

Basis for Recommendations

The subsurface conditions encountered at the boring locations are shown on the Boring Logs in Appendix B. The Boring Logs represent our interpretation of the subsurface conditions based on the field log and visual examination of field samples by an engineer. The lines designating the interface between various strata on the Boring Logs represent the approximate interface locations. In addition, the transition between strata may be gradual. The water level shown on the Boring Log, if any, represents the condition only at the time of our exploration.

The recommendations contained herein are based in part on project information provided to us and only apply to the specific project and site discussed in this report. If the project information section in this report contains incorrect information or if additional information is available, please let us know so that we may review the validity of our recommendations.

Regardless of the thoroughness of a geotechnical investigation, there is always a possibility that conditions between borings will be different from those at specific boring locations and that conditions will not be as anticipated by the designers or contractors. In addition, the construction process may itself alter soil conditions. Therefore, experienced geotechnical personnel should observe and document the construction procedures used and the conditions encountered. Unanticipated conditions and inadequate procedures should be reported to the design team along with timely recommendations to solve any problems created. ECA is best qualified to provide this service based on our familiarity with the project, the subsurface conditions, and the intent of the recommendations and design.

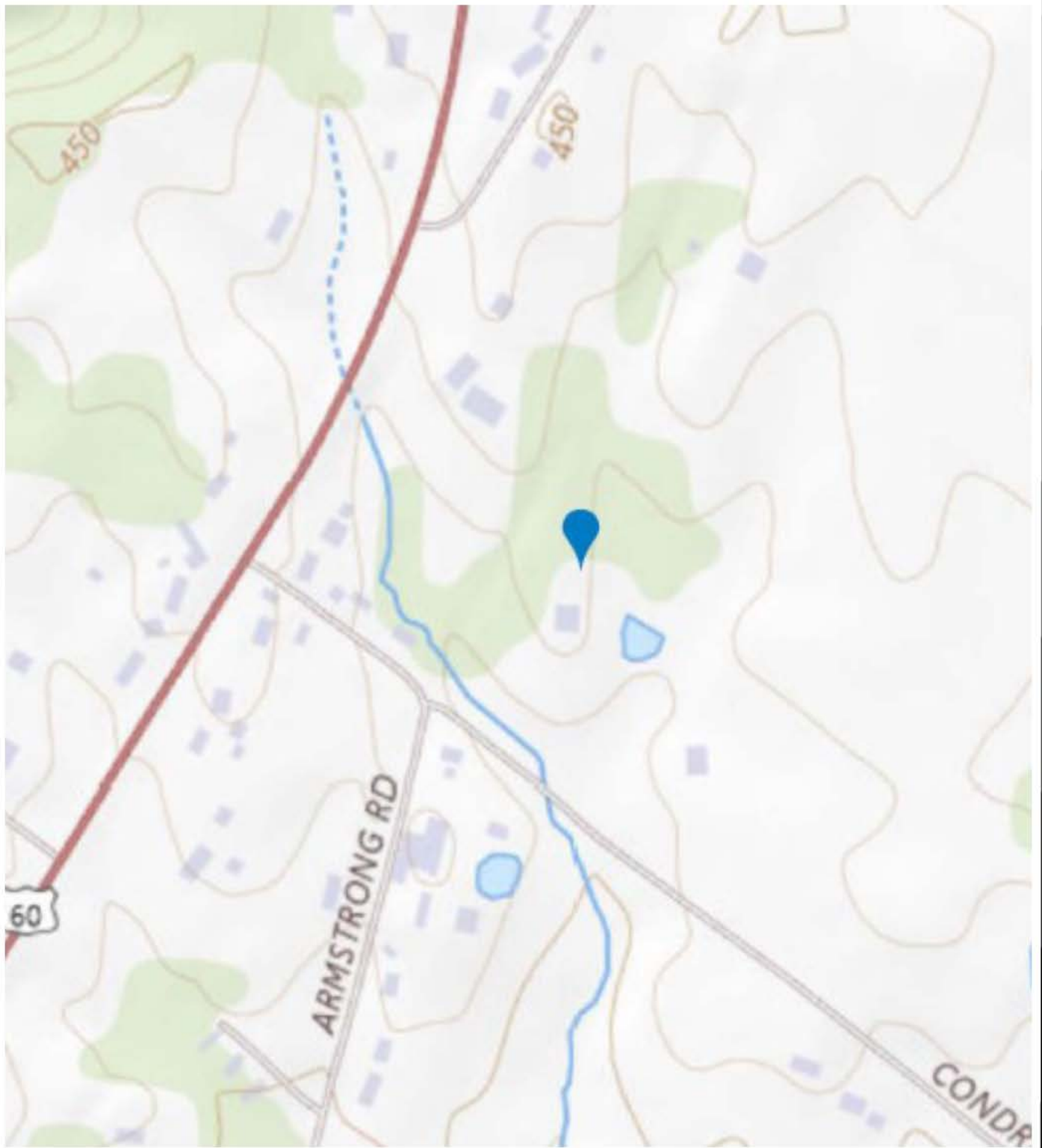
We wish to remind you that we will store the soil samples for 30 days. The samples will then be discarded unless you request otherwise.

APPENDICES

- Appendix A Figures
- Appendix B Boring Logs
- Appendix C Laboratory Earth Resistivity Test Data

APPENDIX A

Figures



Source: USGS Topographic Maps, 7.5 Minute Series, Little Cypress, KY (2012).



APC Towers, LLC Site - EV Smithland South (KY-1824)

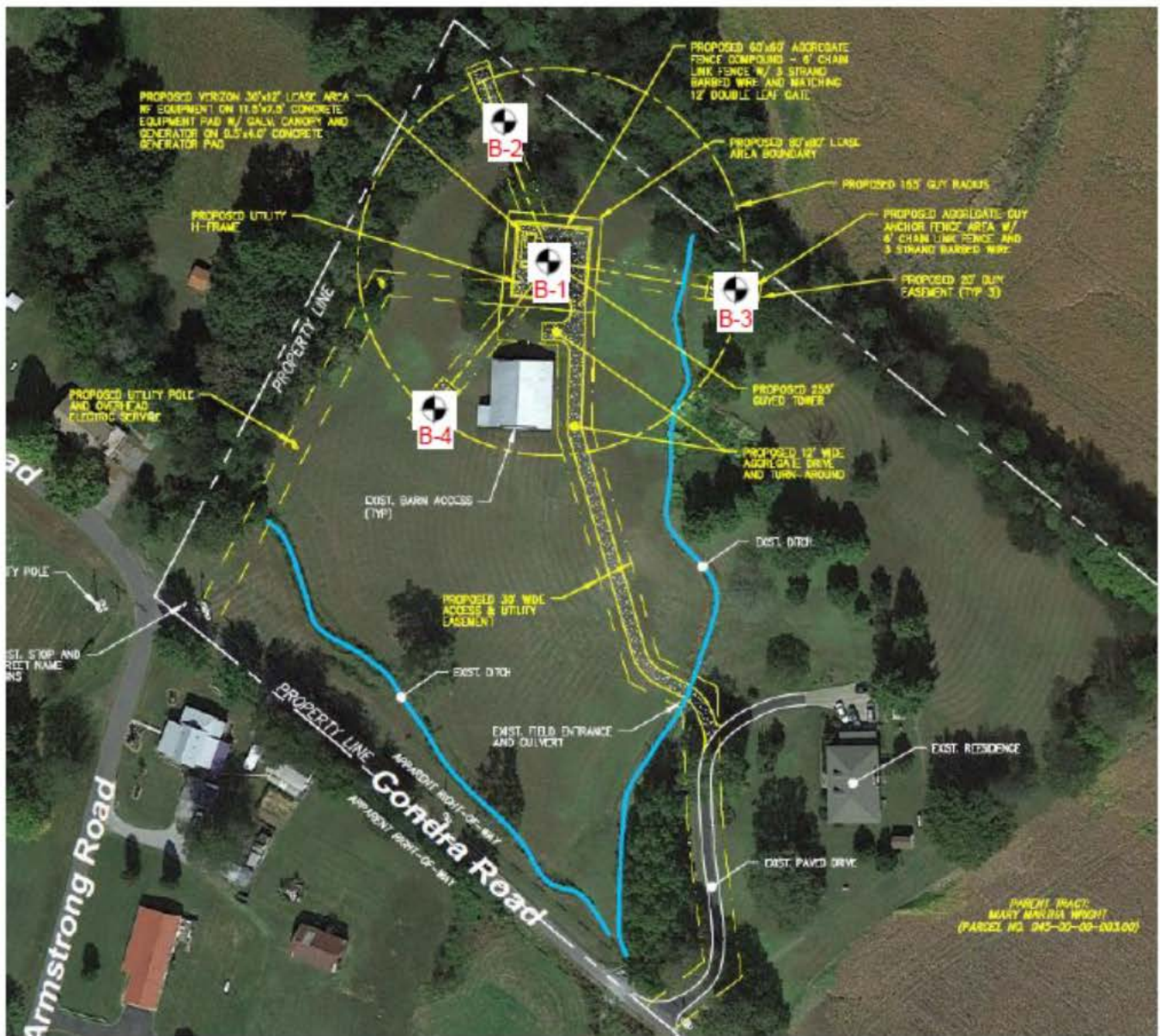
Off Condra Road

Smithland, Livingston County, Kentucky

Figure 1: Site Location Map



ECA Project No. 24-003522



Legend: Soil Boring Locations

Source: Preliminary site plan prepared by Mission 1 Communications and dated November 22, 2024. Soil Boring Overlay by ECA.



APC Towers, LLC Site - EV Smithland South (KY-1824)

Off Condra Road

Smithland, Livingston County, Kentucky

Figure 2: Boring Location Plan




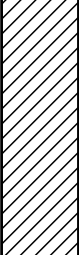




ECA Project No. 24-003522

APPENDIX B

Boring Logs

Project: EV Smithland South Project Location: Smithland, KY Project Number: 24-003522	Environmental Corp of America 1375 Union Hill Industrial Ct, Suite A Aplharetta, GA 30004 770 667 2040	Log of Boring B-1 Sheet 1 of 1
--	---	-----------------------------------










Date(s) Drilled 2/14/2025	Logged By A. Balakrishnan	Checked By A. Balakrishnan
Drilling Method HSA	Drill Bit Size/Type 2.25 inches	Total Depth of Borehole 10 feet bgs
Drill Rig Type Truck	Drilling Contractor South Drilling	Approximate Surface Elevation 425 feet AMSL
Groundwater Level and Date Measured Not Encountered ATD	Sampling Method(s) SPT	Hammer Data 140 Lbs hammer, rope and cathead
Borehole Backfill Cuttings	Location Smithland, Livingston County, Kentucky	

Depth (feet)	Sample Number	Sample Type	Sampling Resistance, blows/ft	SPT N Values	Rec (%) / RQD (%)	MATERIAL DESCRIPTION	Material Type	Graphic Log	Water Content, %	qu (tsf)	qu (tsf) - Spring Tester	LL, %	PI, %
0	1		6-50/1"	50/1"		Brown, stiff silty Clay, damp	CL						
	2		50/3"	50/3"		Weathered Shale Rock fragements manually described as very dense silty Gravel, dry	Shale						
5													
	3		50/1"	50/1"		Same as above, very dense, dry	Shale						
	4		50/0"	50/0"		Same as above, very dense, dry	Shale						
10						Auger refusal at 10 feet End of Boring at 10 feet.							
15													



Project: EV Smithland South Project Location: Smithland, KY Project Number: 24-003522	Environmental Corp of America 1375 Union Hill Industrial Ct, Suite A Aplharetta, GA 30004 770 667 2040	Log of Boring B-2 Sheet 1 of 1
--	---	-----------------------------------







Date(s) Drilled 2/14/2025	Logged By A. Balakrishnan	Checked By A. Balakrishnan
Drilling Method HSA	Drill Bit Size/Type 2.25 inches	Total Depth of Borehole 11 feet bgs
Drill Rig Type Truck	Drilling Contractor South Drilling	Approximate Surface Elevation 425 feet AMSL
Groundwater Level and Date Measured Not Encountered ATD	Sampling Method(s) SPT	Hammer Data 140 Lbs hammer, rope and cathead
Borehole Backfill Cuttings	Location Smithland, Livingston County, Kentucky	

Depth (feet)	Sample Number	Sample Type	Sampling Resistance, blows/ft	SPT N Values	Rec (%) / RQD (%)	MATERIAL DESCRIPTION	Material Type	Graphic Log	Water Content, %	qu (tsf)	qu (tsf) - Spring Tester	LL, %	PI, %
0	1		50/4"	50/4"		Weathered Shale Rock fragements manually described as very dense silty Gravel, dry	Shale						
	2		50/2"	50/2"		Same as above, very dense, dry	Shale						
5	3		50/1"	50/1"		Same as above, very dense, dry	Shale						
	4		50/1"	50/1"		Same as above, very dense, dry	Shale						
10						Auger refusal at 11 feet							
						End of Boring at 11 feet.							
15													



Project: EV Smithland South Project Location: Smithland, KY Project Number: 24-003522	Environmental Corp of America 1375 Union Hill Industrial Ct, Suite A Aplharetta, GA 30004 770 667 2040	Log of Boring B-3 Sheet 1 of 1
--	---	-----------------------------------







Date(s) Drilled 2/14/2025	Logged By A. Balakrishnan	Checked By A. Balakrishnan
Drilling Method HSA	Drill Bit Size/Type 2.25 inches	Total Depth of Borehole 8.5 feet bgs
Drill Rig Type Truck	Drilling Contractor South Drilling	Approximate Surface Elevation 425 feet AMSL
Groundwater Level and Date Measured Not Encountered ATD	Sampling Method(s) SPT	Hammer Data 140 Lbs hammer, rope and cathead
Borehole Backfill Cuttings	Location Smithland, Livingston County, Kentucky	

Depth (feet)	Sample Number	Sample Type	Sampling Resistance, blows/ft	SPT N Values	Rec (%) / RQD (%)	MATERIAL DESCRIPTION	Material Type	Graphic Log	Water Content, %	qu (tsf)	qu (tsf) - Spring Tester	LL, %	PI, %
0	1		50/3"	50/3"		Weathered Shale Rock fragements manually described as very dense silty Gravel, dry	Shale						
2	2		50/2"	50/2"		Same as above, very dense, dry	Shale						
3	3		50/2"	50/2"		Same as above, very dense, dry	Shale						
						Auger refusal at 8.5 feet.							
						End of Boring at 8.5 feet.							
10													
15													



Project: EV Smithland South Project Location: Smithland, KY Project Number: 24-003522	Environmental Corp of America 1375 Union Hill Industrial Ct, Suite A Aplharetta, GA 30004 770 667 2040	Log of Boring B-4 Sheet 1 of 1
--	---	-----------------------------------

Date(s) Drilled 2/14/2025	Logged By A. Balakrishnan	Checked By A. Balakrishnan
Drilling Method HSA	Drill Bit Size/Type 2.25 inches	Total Depth of Borehole 12.5 feet bgs
Drill Rig Type Truck	Drilling Contractor South Drilling	Approximate Surface Elevation 425 feet AMSL
Groundwater Level and Date Measured Not Encountered ATD	Sampling Method(s) SPT	Hammer Data 140 Lbs hammer, rope and cathead
Borehole Backfill Cuttings	Location Smithland, Livingston County, Kentucky	

Depth (feet)	Sample Number	Sample Type	Sampling Resistance, blows/ft	SPT N Values	Rec (%) / RQD (%)	MATERIAL DESCRIPTION	Material Type	Graphic Log	Water Content, %	qu (tsf)	qu (tsf) - Spring Tester	LL, %	PI, %
0	1		8-50/2"	50/2"		Yellowish brown/red, hard silty Clay, damp	CL						
2	2		50/3"	50/3"		Weathered Shale Rock fragements manually described as very dense silty Gravel, dry	Shale						
3	3		50/2"	50/2"		Same as above, very dense, dry	Shale						
4	4		50/1"	50/1"		Same as above, very dense, dry	Shale						
10						Auger refusal at 12.5 feet.							
						End of Boring at 12.5 feet.							
15													



Project: **EV Smithland South**
 Project Location: **Smithland, KY**
 Project Number: **24-003522**

Environmental Corp of America
 1375 Union Hill Industrial Ct, Suite A
 Alpharetta, GA 30004
 770 667 2040

Key to Log of Boring

Sheet 1 of 1

Depth (feet)	Sample Number	Sample Type	Sampling Resistance, blows/ft	SPT N Values	Rec (%) / RQD (%)	MATERIAL DESCRIPTION	Material Type	Graphic Log	Water Content, %	qu (tsf)	qu (tsf) - Spring Tester	LL, %	PI, %
1	2	3	4	5	6	7	8	9	10	11	12	13	14

COLUMN DESCRIPTIONS

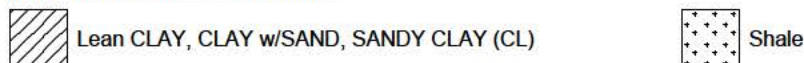
- | | |
|--|---|
| <p>1 Depth (feet): Depth in feet below the ground surface.</p> <p>2 Sample Number: Sample identification number.</p> <p>3 Sample Type: Type of soil sample collected at the depth interval shown.</p> <p>4 Sampling Resistance, blows/ft: Number of blows to advance driven sampler one foot (or distance shown) beyond seating interval using the hammer identified on the boring log.</p> <p>5 SPT N Values: SPT N Values</p> <p>6 Rec (%) / RQD (%): Core Recovery (%) and Rock Quality Designation (%)</p> <p>7 MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.</p> <p>8 Material Type: Type of material encountered.</p> | <p>9 Graphic Log: Graphic depiction of the subsurface material encountered.</p> <p>10 Water Content, %: Water content of the soil sample, expressed as percentage of dry weight of sample.</p> <p>11 qu (tsf): Unconfined Compression Value</p> <p>12 qu (tsf) - Spring Tester: Unconfined Compression Test using Spring Tester</p> <p>13 LL, %: Liquid Limit, expressed as a water content.</p> <p>14 PI, %: Plasticity Index, expressed as a water content.</p> |
|--|---|

FIELD AND LABORATORY TEST ABBREVIATIONS

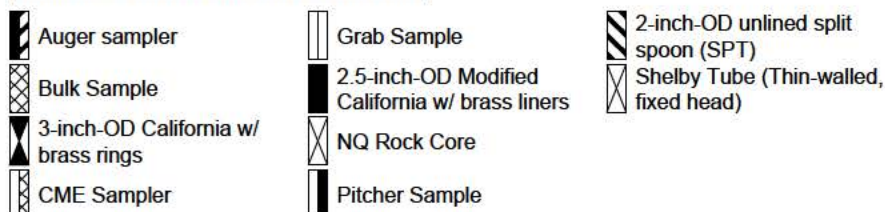
CHEM: Chemical tests to assess corrosivity
 COMP: Compaction test
 CONS: One-dimensional consolidation test
 LL: Liquid Limit, percent

PI: Plasticity Index, percent
 SA: Sieve analysis (percent passing No. 200 Sieve)
 UC: Unconfined compressive strength test, Qu, in ksf
 WA: Wash sieve (percent passing No. 200 Sieve)

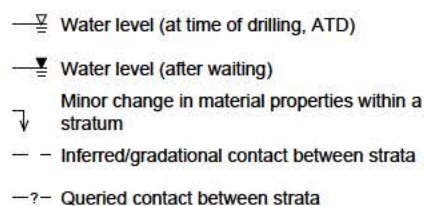
MATERIAL GRAPHIC SYMBOLS



TYPICAL SAMPLER GRAPHIC SYMBOLS



OTHER GRAPHIC SYMBOLS



GENERAL NOTES

- Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
- Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.



APPENDIX C

Laboratory Earth Resistivity Test Data

APPENDIX C
Laboratory Earth Resistivity Test Data per ASTM G-57

Site Name: EV Smithland South (KY-1824)

ECA Project #: 24-003522

Test Date: February 20, 2024

Test No.	Lab Meter Reading (R)	Calculated Resistivity (Ohms-cm)
Test Trial #1	4.05	5311
Test Trial #2	4.05	5311
Test Trial #3	4.05	5311
Test Trial #4	4.05	5311
*Average Reported Lab ER Value		5,311
*The lab resistivity test was performed using the auger cutting samples within the upper 6 feet.		

EXHIBIT H
DIRECTIONS TO WCF SITE

Driving Directions to Proposed Tower Site

1. Beginning at 321 Court Street, Smithland, KY, head southeast (toward Wilson Avenue) and travel approximately 240 feet.
2. Turn right onto Wilson Avenue and travel approximately 0.3 miles.
3. Turn left onto US-60 W / Adair Street and travel approximately 2.7 miles.
4. Turn left onto Armstrong Road and travel approximately 0.1 miles.
5. Continue straight onto Condra Road and travel approximately 565 feet.
6. The site is on the left.
7. The site coordinates are
 - a. North 37 deg 05 min 47.91 sec
 - b. West 88 deg 24 min 00.36 sec



Prepared by:
Aaron Roof
Pike Legal Group PLLC
1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293

EXHIBIT I

COPY OF REAL ESTATE AGREEMENT

OPTION AND GROUND LEASE AGREEMENT

THIS OPTION AND GROUND LEASE AGREEMENT ("**Agreement**") is made and entered into as of the latter signature date hereto (the "**Effective Date**"), by and between DANNY JOE WRIGHT, married, subject to the life estate of Mary Martha Wright, with a mailing address of 710 Condra Drive, Smithland, KY 42081 ("**Lessor**"); and APC TOWERS IV, LLC, a Delaware limited liability company, with a mailing address of 8601 Six Forks Road, Suite 250, Raleigh, NC 27615 ("**Lessee**").

RECITALS

WHEREAS, Lessor is the owner of that certain parcel of land located at 710 Condra Drive, Smithland, Livingston County, KY 42081, also known as parcel number 045-00-00-003.00, as more specifically described on Exhibit A hereto (the "**Property**"); and

WHEREAS, Lessor desires to grant to Lessee, and Lessee desires to obtain from Lessor an option to lease from Lessor a portion of the Property comprised of approximately 100' x 100' (10,000 square feet) of ground space (the "**Premises**"), together with an access easement for ingress and egress and the installation and maintenance of utilities (the easements collectively referred to as the "**Easements**") both being approximately located as shown on Exhibit B (the Premises and the Easements are collectively referred to herein as the "**Site**"), for the purpose of establishing and maintaining a communications facility for Lessee's use and that of its subtenants, licensees and customers.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants and promises contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Lessor and Lessee agree as follows.

1. Option to Lease.

- (a) In consideration of the payment of [REDACTED] (the "**Option Fee**") by Lessee to Lessor, Lessor hereby grants to Lessee an exclusive and irrevocable option to lease the Premises and use the Easements on the terms and conditions set forth herein below (the "**Option**"). The Option has a term of twelve (12) months, commencing on the Effective Date and ending as of midnight on the date before the first anniversary of such date (the "**Option Period**"). Lessee has the right to extend the Option for one (1) additional term of twelve (12) months (the "**Extended Option Period**"). The Option will automatically be extended for the Extended Option Period unless Lessee provides Lessor with written notice of Lessee's intent not to extend the Option at least ninety (90) days prior to the expiration of the Option Period or the Extended Option Period, as applicable. Lessee will pay Lessor an additional payment (the "**Additional Option Fee**") of [REDACTED] within thirty (30) days of the commencement of the Extended Option Period.
- (b) During the Option Period, the Extended Option Period and the Term, Lessor agrees to cooperate with Lessee in obtaining, at Lessee's expense but for no additional consideration payable to Lessor, all licenses and permits or authorizations required for Lessee's use of the Site from all applicable government and/or regulatory entities (the "**Government Approvals**"). Lessor hereby irrevocably appoints Lessee or Lessee's agent as Lessor's agent to file applications on behalf of Lessor with federal, state and local governmental authorities which applications relate to Lessee's use of the Site, including but not limited to land use and zoning applications. During the Option Period, Extended Option Period and the Term, Lessor agrees to cooperate with Lessee, at no cost to Lessor but for no additional

[Handwritten initials]

consideration payable to Lessor, to obtain a title report, zoning approvals and variances, conditional-use permits and perform surveys, soils tests, perform RF engineering studies and other engineering procedures or environmental investigations on, under and over the Property, necessary to determine whether Lessee's use of the Site will be compatible with the Lessee's engineering specifications, intended use, system design, operations and Government Approvals. During the Option Period, Extended Option Period and the Term, Lessor agrees to provide Lessee, at no cost to Lessor but for no additional consideration payable to Lessor, with any documents, materials or other instruments required or requested for Lessee to secure a title policy for the Site, which may include, among others, and each as applicable, the following: (i) a certified copy of the formation documents of Lessor and all amendments thereto from the state in which Lessor is organized; (ii) a certificate of good standing for the Lessor issued by the state where the Lessor is organized, not dated later than five (5) business days from the date requested by Lessee; (iii) a true and complete copy of the names of any shareholders, members or partners of the Lessor; (iv) true and complete copy of any operating agreement, partnership agreement, bylaws or similar document and all amendments thereto together certified as accurate and complete by an officer, director, partner, member or manager of Lessor; (v) a copy of the authorizing resolutions or consent of Lessor's governing body authorizing Lessor to enter into, comply with and perform under this Agreement; and (vi) such other documents that may be reasonably required or requested. Lessor's provision of the foregoing documents, materials or other instruments required for Lessee to secure a title policy for the Site shall be a prerequisite for the payment of any Rent or other monetary amounts payable by Lessee under this Agreement, and notwithstanding anything to the contrary herein and in addition to Lessee's rights and remedies otherwise provided in this Agreement, Lessee shall have no obligation to make any rental or other payments to Lessor until such items have been supplied to Lessee to the reasonable satisfaction of Lessee and Lessee's title insurer.

- (c) During the Option Period and any Extended Option Period, Lessee may exercise the Option by written notice to Lessor.

2. Premises. Subject to the terms and conditions of this Agreement, upon Lessee's exercise of the Option Lessor hereby leases to Lessee and Lessee hereby leases from Lessor the Premises together with the use of the Easements for the construction, modification, operation and maintenance of the Telecommunications Facilities (as defined in Section 7(a)).

3. Permitted Use. The Site may be used by Lessee for the construction, modification, operation, maintenance, repair, replacement and removal of the Telecommunications Facilities (the "**Permitted Use**"). Lessor may not commit any action or omission that would adversely affect the status of the Site with respect to the Permitted Use.

4. Term. The initial term of this Agreement ("**Initial Term**") is five (5) years, beginning on the date Lessee exercises the Option ("**Commencement Date**"), and expiring at midnight on the day prior to the fifth (5th) anniversary of the Commencement Date. Lessee has the right to extend the term of Agreement for nine (9) additional five (5)-year terms (each a "**Renewal Term**"). Each Renewal Term will be on the same terms and conditions set forth in this Agreement. This Agreement will automatically renew for each successive Renewal Term unless Lessee notifies Lessor in writing of Lessee's intention not to renew the Term at least thirty (30) days prior to the expiration of the then current Term. The Initial Term and Renewal Terms are collectively referred to herein as the "**Term**".

5. Rent. Lessee shall pay Lessor an initial monthly rent of [REDACTED] ("**Rent**"). The Rent is due and payable in advance on the first day of each month during the Term commencing as of the Rent Commencement Date. The "**Rent Commencement Date**" is the earlier of (i) the date of issuance of a certificate of completion (or comparable certificate) from the applicable governmental authority for the Telecommunications Facilities or (ii) ninety (90) days from the Commencement Date. Rent will be prorated for

any partial months, including the months in which the Rent Commencement Date and the expiration or termination of the Term occur. As a condition precedent to Lessee's obligation to remit any payments provided for under this Agreement, Lessor (as well as any successor to Lessor's interest in this Agreement or to such payments) agrees to provide Lessee with a completed IRS Form W-9 upon execution of this Agreement and at such other times as may be reasonably requested by Lessee, including any change in Lessor's name or address. If Lessee elects to remit payments payable under this Agreement by electronic funds transfer, Lessor agrees to provide to Lessee bank routing information for such purpose upon request of Lessee. The Rent will increase annually as of each anniversary of the Commencement Date, by an amount equal to [REDACTED] of the Rent in effect immediately prior to the increase.

6. Interference. Lessor may not use, nor may Lessor permit its tenants, licensees, employees, invitees or agents to use any portion of the Property in any way that interferes with Lessee's Permitted Use of the Site. Such interference will be a material breach of this Agreement by Lessor and Lessor shall have the responsibility to terminate the interference immediately upon written notice from Lessee. Anything to the contrary in this Agreement notwithstanding, the cure periods provided for in Section 10 will not be applicable to failure by Lessor to fulfill its obligations under this Section 6. If any interference does not cease or is not rectified as soon as possible, but in no event longer than twenty-four (24) hours after Lessee's written notice to Lessor, Lessor acknowledges that the continuing interference will cause irreparable injury to Lessee, as well as Lessee's sublessees and licensees, and Lessee has the right, in addition to any other rights that it may have at law or in equity, to bring action to enjoin such interference or to terminate this Lease immediately upon notice to Lessor. Lessor represents and warrants that it has not sold, leased, licensed or otherwise granted rights in the Property that in any way interfere or could reasonably be likely to interfere with Lessee's rights to use Site for the Permitted Use.

7. Construction of Improvements.

- (a) Lessee may, from time to time during the Term, at its expense, construct, install, operate, maintain, replace, add to, upgrade and remove its (as well as its subtenants, licensees and customers) radio transmitting and receiving antennae, communications equipment, related cables, wires, conduits, air conditioning equipment and other appurtenances, as well as a tower(s) and building(s) or cabinets to house such equipment (collectively, the "*Telecommunications Facilities*"). Although the Telecommunications Facilities may become fixtures under applicable law, they will remain solely the property of Lessee and Lessee's subtenants, licensees and customers, and Lessee (and its subtenants, licensees and customers) has the right to remove any or all of them from time to time during the Term and at the expiration or earlier termination of the Term. If the tower to be constructed by Lessee on the Premises is a guyed tower, Lessor also grants Lessee easements in, over, across and through the Property or any other real property owned by Lessor as may be necessary to Tenant during the Initial Term and any Renewal Terms of this Agreement for the installation and maintenance and removal of and reasonable access to guy wires and guy wire anchors, which may be located outside of the Site.
- (b) The Telecommunications Facilities shall be initially configured as generally set forth in Exhibit C, subject to change by Lessee consistent with Section 7(a).
- (c) Lessee is solely responsible for operations, maintenance, repair and insuring of the equipment owned, constructed and installed by Lessee on the Premises.
- (d) Lessor hereby grants Lessee a non-exclusive, unimpaired landscape easement which includes the right to install vegetation and screening around the exterior of the perimeter of the Premises as necessary to meet the applicable landscaping and buffering requirements of applicable land use laws, rules and regulations, if and when such placement should ever be required (the "*Landscape Easement*").



- (e) Lessee, at its sole discretion, may, without any need to obtain the consent of Lessor, license or sublease all or a portion of the Site and/or the Telecommunications Facilities.

8. Access. During the Term, ingress and egress to the Premises is hereby granted by Lessor to Lessee and its subtenants, licensees and customers, and each of such party's agents, contractors and subcontractors, on a 24-hour a day, 365 days per year basis. This ingress and egress shall include the nonexclusive right to and from the Premises, over and across the Property and an access way from nearby public streets and driveways and parking rights for personnel and equipment. Lessee also has a nonexclusive right of way over and across the Property as necessary for the installation, running, servicing and maintenance of electrical power and other utilities necessary to serve the Telecommunications Facilities.

9. Utilities.

- (a) Lessee has the right to install utilities (including without limitation communications services and power) at Lessee's expense, and to improve the present utilities, if any, on the Premises. Lessee shall, wherever practical, install separate meters for utilities used on the Premises.
- (b) Lessee may utilize the Easements for ingress, egress, and access to the Premises as may be required for the construction, installation and maintenance by the appropriate utility companies for the purpose of servicing the Telecommunications Facilities. In addition to Lessee and its sublessees and licensees, Lessee may grant the right to utilize the Easements to any utility servicing the Site. Lessor agrees to execute, at no cost to Lessee a utility easement between Lessor and any such utility provider, if reasonably necessary.

10. Default. Any breach of a material term hereof that is not cured within thirty (30) days from receipt of written notice from the non-breaching party shall constitute a "**Default**"; provided, however, that if efforts to cure such breach are commenced within said 30-day period and thereafter diligently prosecuted to completion, such period shall be extended for a period of time not to exceed six (6) months. The foregoing notwithstanding, any monetary breach not cured within fifteen (15) days from receipt of written notice thereof from the other party shall constitute a Default by the breaching party.

11. Termination.

- (a) In addition to other termination rights contained in this Agreement, this Agreement may be terminated upon written notice from the non-breaching party to the breaching party upon a Default and as otherwise provided in this section.
- (b) Lessee may terminate this Agreement upon written notice to Lessor if Lessee determines, in Lessee's sole discretion, that the results of any studies, reports, and/or applications for Governmental Approvals contemplated under Section 1(b) of this Agreement are unacceptable.
- (c) Lessee may terminate this Agreement upon thirty (30) days prior written notice to Lessor, if (i) Lessee determines that the Premises are technologically unsuitable, in Lessee's reasonable opinion, for the operation of the Telecommunications Facilities, including but not limited to unacceptable radio signal interference and any addition, alteration or new construction on, adjacent to or in the vicinity of the Premises or the Property that blocks, either partially or totally, transmission or receiving paths used by any of the Telecommunications Facilities; (ii) any Governmental Approval that Lessee reasonably deems necessary or convenient for the construction, operation, maintenance, reconstruction, modification, addition to or removal of the Telecommunications Facilities is not, in Lessee's sole discretion, reasonably obtainable or maintainable in the future; (iii) Lessee determines, in Lessee's commercially reasonable judgment, that the Premises cease to be economically viable as a

telecommunications site; or (iv) Hazardous Substances (as defined in Section 14) are or become present on the Property in violation of Environmental Laws (as defined in Section 14).

12. Condemnation. If all or any part of the Premises or any portion of the Easements, or any roadway to the Premises is taken by eminent domain or other action by any governmental or quasi-governmental body having the legal right to take said lands, and if said taking in the sole discretion of Lessee renders the Premises unsuitable for its intended purpose, then at Lessee's option, Lessee may terminate this Agreement as of the date the title vests in the condemning authority. Lessor and Lessee will share in the condemnation proceeds in proportion to the values of their respective interests in the Site (which for Lessee includes, where applicable, the value of the Telecommunication Facilities, moving expenses, prepaid rent and business dislocation expenses). If Lessee does not terminate this Agreement as provided in this section, this Agreement shall remain in effect, but the Rent shall be reduced by the amount that bears the same proportion to the Rent immediately prior to the partial taking which was applicable to the Premises immediately prior to such taking and thereafter the "Premises" will be deemed to be the remaining portion of the initial Premises.

13. Indemnification.

- (a) Lessor, its heirs, grantees, successors, and assigns shall indemnify and defend Lessee from and against any claims, obligations, liabilities, costs, demands, damages, expenses, suits or causes of action, including costs and reasonable attorney's fees, which may arise out of (i) any injury to or death of any person; or (ii) any damage to property, if such injury, death or damage arises out of or is attributable to or results from the acts or omissions of Lessor, or Lessor's principals, employees, invitees, agents or independent contractors. Lessee, its grantees, successors, and assigns shall indemnify and defend Lessor from and against any claims, obligations, liabilities, costs, demands, damages, expenses, suits or causes of action, including costs and reasonable attorney's fees, which may arise out of (i) any injury to or death of any person; or (ii) any damage to property, if such injury, death or damage arises out of or is attributable to or results from the negligent acts or omissions of Lessee, or Lessee's employees, agents or independent contractors.
- (b) If either party is entitled to indemnification and defense ("***Indemnified Party***") from the other party ("***Indemnifying Party***") pursuant to this Agreement, the Indemnified Party shall notify the Indemnifying Party promptly, in writing, of any claims by any person for which the Indemnified Party alleges that the Indemnifying Party is responsible hereunder and tender the defense of such claim to the Indemnifying Party. The Indemnified Party shall fully cooperate with the defense or settlement of such claim. The Indemnifying Party shall not be liable under this Agreement for settlements by the Indemnified Party of any claim unless the Indemnifying Party has approved the settlement in advance (such approval not to be unreasonably withheld, conditioned or delayed) or unless the defense of the claim has been tendered to the Indemnifying Party, in writing, and the Indemnifying Party has failed promptly to undertake the defense. This Section 13 shall survive the termination or expiration of this Agreement.

14. Hazardous Substances. Lessor represents and warrants to Lessee that Lessor: (i) is not presently engaged in, (ii) does not presently have actual knowledge of, (iii) has not at any time in the past engaged in, and (iv) has no actual knowledge that any third person or entity has engaged in or permitted any operations or activities upon, or any use or occupancy of, the Premises, or any portion of the Property, for the purpose of, or in any way involving the handling, manufacturing, treatment, storage, use, transportation, spillage, leakage, dumping, discharge or disposal (whether legal or illegal), accidental or intentional, of any hazardous substances, materials or wastes ("***Hazardous Substances***") regulated under any local, state, or federal law pertaining to the environment, public health or safety or the handling, manufacturing, treatment storage, use, transportation, spillage, leakage, dumping, discharge or disposal of Hazardous Substances ("***Environmental Laws***"). Lessor indemnifies and defends Lessee from and against any and all claims of liability under any Environmental Laws for Hazardous Substances which

were handled, manufactured, treated, stored, used, transported, spilled, leaked, dumped, discharged, disposed of or otherwise introduced into the Property, except for claims arising in whole or in any part out of Lessee's use or occupancy of the Premises. The indemnity obligations contained in this Section 14 shall survive the termination or expiration of this Agreement.

15. Insurance. Lessee will carry during the term of the Agreement the following insurance with customary coverage and exclusions: (i) bodily injury: [REDACTED] injuries sustained by more than one person in any one occurrence; and (ii) property damage: full replacement costs of Lessee's property. Lessee agrees to furnish Lessor with certificates of insurance certifying that Lessee has in force and effect the above specified insurance. Lessee shall have Lessor named as additional insured on all policies obtained or maintained by Lessee pursuant to this Section 15, except for workers' compensation policies. Lessor and Lessee mutually covenant and agree that each party, in connection with insurance policies required to be furnished in accordance with the terms of this Agreement, or in connection with insurance policies which they obtain insuring such insurable interest as Lessor or Lessee may have in its own properties, whether personal or real, shall expressly waive any right of subrogation on the part of the insurer against the Lessor or Lessee as the same may be applicable, which right to the extent not prohibited or violative of any such policy is hereby expressly waived. Lessor and Lessee each agree to seek recovery based solely on insurance policies as set forth above, provided such policies are in effect, and each mutually waive all right of recovery against each other, their agents, or employees for any loss, damage or injury of any nature whatsoever to property or person except to the extent either party is required by this Agreement to carry insurance.

16. Taxes. Lessee shall pay any personal property taxes assessed on or attributable to the Telecommunications Facilities. Lessor shall pay when due all real property taxes and all other fees and assessments attributable to the Property, Premises and Easements. Lessee will pay to Lessor within thirty (30) days from Lessor's request, any increase in Lessor's real property taxes which Lessor demonstrates, to Lessee's satisfaction, is directly and solely attributable to any improvements to the Site made by Lessee. If Lessor fails to pay when due any taxes affecting the Property or the Site, Lessee shall have the right, but not the obligation, to pay such taxes and (i) deduct the full amount of the taxes paid by Lessee on Lessor's behalf from future installments of Rent, or (ii) collect such taxes by any lawful means.

17. Quiet Enjoyment, Title and Authority.

- (a) During the Term, Lessee may peaceably and quietly hold and enjoy the Premises, free from disturbance from any person claiming by, through or under Lessor, subject only to those matters of title of record as of the Effective Date.
- (b) Lessor covenants and warrants to Lessee that: (i) Lessor has full right, power and authority to execute this Agreement; (ii) Lessor has good and unencumbered title to the Property, free and clear of any liens or mortgages, except those disclosed to Lessee and of record as of the Effective Date, that will not interfere with Lessee's rights to or use of the Premises; (iii) the execution and performance of this Agreement will not violate any laws, ordinances, covenants, or the provisions of any mortgage, lease, or other agreement binding on Lessor.
- (c) Lessor agrees that, during the Option Period, Extended Option Period and the Term, Lessee will have the exclusive right to lease the Property or any portion thereof from the Lessor for the operation of antennae and telecommunications facilities providing transmission and receiving facilities for wireless providers and users, and that Lessor will not grant a lease, sublease, or other license or right to use any portion of the Property, or any other adjacent property owned by Lessor, to any other party for operation of antenna and/or telecommunications facilities.

18. Notices.

- (a) All notices hereunder must be in writing and shall be deemed validly given if sent by hand delivery, a reputable national overnight courier service (such as FedEx or United Parcel Service), or by certified mail, postage prepaid, return receipt requested, to the address shown below (or to any other address that the party to be notified may designate from time to time by written notice to the other party).

If to Lessor to: Danny Wright
710 Condra Drive
Smithland, KY 42081
Ref. Site ID: KY-1824 - EV Smithland South

If to Lessee to: APC Towers IV, LLC
8601 Six Forks Road, Suite 250
Raleigh, North Carolina 27615
Attention: Daniel C. Agresta III
Ref. Site ID: KY-1824 - EV Smithland South

Telephone: [REDACTED] (included for information purposes only and not for notices)
Fax: [REDACTED] (included for information purposes only; not for notices)

- (b) If there is a change in ownership of the Property and Lessor's agreement is assigned to another party, then within ten (10) days of such transfer, Lessor or its successor will send copies of the documents listed below in this subsection (b) to Lessee. Until Lessee receives all such documents, Lessee shall not be responsible for any failure to make payments under this Agreement and reserves the right to hold payments due under this Agreement.

- i. Old deed to Property
- ii. New deed to Property
- iii. Bill of Sale or Transfer
- iv. Current Tax Bill
- v. New IRS Form W-9
- vi. Full contact (information purposes only and not for notices) for new Lessor including phone number(s)

19. Estoppel, Non-Disturbance and Attornment.

- (a) Lessor will, from time to time, upon not less than ten (10) days prior written notice from Lessee, execute and deliver to Lessee a written estoppel certificate certifying that as of the date of the certification: (i) this Agreement is a valid enforceable agreement, presently in full force and effect; (ii) whether Lessor has any knowledge of any default or breach by Lessee under any of the terms, conditions, or covenants of this Agreement; (iii) the Term (its commencement and termination dates) and the term of any option or renewal periods granted to the Lessee to extend the Term; (iv) the amount of the then-current Rent payable under the Agreement; (v) attached to the certification is a true and correct copy of the Agreement and all amendments thereto, (vi) and such other facts as Lessee or its prospective mortgagee or purchaser may request.
- (b) Lessor shall obtain for Lessee from the holder of any mortgage and deed of trust now or hereafter encumbering the Property a subordination and non-disturbance agreement in the form attached hereto as **Exhibit E**, providing that so long as Lessee is not in default under this Agreement, its rights as

[Handwritten initials]

Lessee hereunder shall not be terminated and its access to and possession of the Premises shall not be disturbed by the mortgagee or trustee, or by any proceedings on the debt which any such mortgage or deed of trust secures, and that any sale at foreclosure shall be subject to this Agreement.

20. Assignment. This Agreement is freely assignable by Lessee to any other party upon written notice to Lessor, without the necessity of obtaining Lessor's consent. Upon an assignment, Lessee shall be relieved of all liabilities and obligations arising under this Agreement subsequent to the date of such assignment. Lessee, at its sole discretion, may, without any need to obtain the consent of Lessor, license or sublease all or a portion of the Site and/or the Telecommunications Facilities. Additionally, Lessee may mortgage or grant a security interest in this Agreement and the Telecommunications Facilities and may assign this Agreement and the Telecommunications Facilities to any such mortgagees or holders of security interests including their successors and assigns (hereinafter collectively referred to as "**Secured Parties**"). If requested by Lessee, Lessor shall execute such consent to such financing as may reasonably be required by Secured Parties. In addition, if requested by Lessee, Lessor agrees to notify Lessee and Lessee's Secured Parties simultaneously of any default by Lessee and to give Secured Parties the same right to cure any default as Lessee. If a termination, disaffirmance or rejection of this Agreement by Lessee pursuant to any laws (including any bankruptcy or insolvency laws) occurs, or if Lessor shall terminate this Agreement for any reason, Lessor will give to Secured Parties prompt notice thereof and Secured Parties shall have the right to enter upon the Premises during a 30-day period commencing upon Secured Parties' receipt of such notice for the purpose of removing any Telecommunications Facilities. Lessor acknowledges that Secured Parties are third-party beneficiaries of this Agreement.

21. Limited Right of First Refusal. Notwithstanding anything to the contrary contained herein, this paragraph shall not apply to any fee simple sale of the Property from Lessor to any prospective purchaser that is not a Third-Party Competitor or to Lessee. A Third-Party Competitor as included in this Section is defined as a party that competes, owns, markets or distributes products within the telecommunications industry and is not an affiliate, licensee, or distributor of Lessee. If Lessor receives an offer or desires to offer to: (i) sell or convey any interest (including, but not limited to, leaseholds or easements) in any real property of which the Leased Premises is a part to a Third Party Competitor or (ii) assign all or any portion of Lessor's interest in the Lease to a Third Party Competitor (any such offer, the "Offer"), Lessee shall have the right of first refusal to purchase the real property or other interest being offered by Lessor in connection with the Offer on the same terms and conditions. If Lessee elects, in its sole and absolute discretion, to exercise its right of first refusal as provided herein, Lessee must provide Lessor with notice of its election not later than forty-five (45) days after Lessee receives written notice from Lessor of the Offer. If Lessee elects not to exercise Lessee's right of first refusal with respect to an Offer as provided herein, Lessor may complete the transaction contemplated in the Offer with the Third-Party Competitor on the stated terms and price but with the express condition that such sale is made subject to the terms of the Lease, as modified by this Amendment. Lessor hereby acknowledges and agrees that any sale or conveyance by Lessor in violation of this Section is and shall be deemed to be null and void and of no force and effect. The terms, provisions, and conditions of this Section shall survive the execution and delivery of this Amendment.

22. Further Assurances. Each party shall take all such further actions and execute all such further documents and instruments as the parties may at any time reasonably determine to be necessary or desirable to carry out and consummate the transactions contemplated by this Agreement.

23. Waiver of Lessor's Lien. Lessor hereby waives any and all lien rights it may have, statutory or otherwise, in and to the Telecommunications Facilities or any portion thereof, regardless of whether or not same is deemed real or personal property under applicable laws.

24. Waiver of Damages. Neither Lessor nor Lessee shall be responsible or liable to the other party for any loss or damage arising from any claim to the extent attributable to any acts of vandalism or for any structural or power failures or destruction or damage to the Telecommunications Facilities except to the extent caused by the negligence or willful misconduct of such party. EXCEPT AS SPECIFICALLY PROVIDED IN THIS

AGREEMENT, IN NO EVENT SHALL LESSOR OR LESSEE BE LIABLE TO THE OTHER FOR, AND LESSEE AND LESSOR EACH HEREBY WAIVE THE RIGHT TO RECOVER INCIDENTAL, CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, LOSS OF USE OR LOSS OF BUSINESS OPPORTUNITY), PUNITIVE, EXEMPLARY AND SIMILAR DAMAGES.

25. Miscellaneous.

- (a) This Agreement shall extend to and bind the heirs, executors, administrators, successors and assigns of the parties hereto.
- (b) This Agreement and the performance thereof shall be governed, interpreted, construed and regulated by the laws of the state or commonwealth in which the Site is located, without regard to its conflicts of laws principles.
- (c) For purposes of providing constructive notice hereof and if required by applicable law, Lessor and Lessee hereby agree to execute the Memorandum of Ground Lease Agreement (see form attached hereto as **Exhibit D**), and Lessee shall have the same recorded in the land records of the county and state in which the Premises is located. The cost of any such recording is to be paid for solely by the Lessee.
- (d) Any sale or other conveyance by the Lessor of all or part of the Site shall be under and subject to this Agreement and Lessee's rights hereunder.
- (e) It is hereby mutually agreed and understood that this Agreement contains all agreements, promises and understandings between the Lessor and the Lessee and that no verbal or oral agreements, promises, or understandings shall or will be binding upon either the Lessor or Lessee in any dispute, controversy or proceeding at law, or any addition to, variation, or modification of this Agreement shall be void and ineffective unless in writing signed by the parties hereto.
- (f) If either Lessor or Lessee is represented by a real estate broker in this transaction, that party is fully responsible for any fees due such broker and will hold the other party harmless from any claims for commission by such broker.
- (g) This Agreement may be executed in two or more counterparts, all of which are considered one and the same agreement and become effective when one or more counterparts have been signed by each of the parties, it being understood that all parties need not sign the same counterpart.
- (h) The parties agree that a scanned or electronically reproduced copy or image of this Agreement will be deemed an original and may be introduced or submitted in any action or proceeding as competent evidence of the execution, terms and existence hereof notwithstanding the failure or inability to produce or tender an original, executed counterpart of this Agreement and without the requirement that the unavailability of such original, executed counterpart of this Agreement first be proven.
- (i) In the event of any dispute arising hereunder or a default by Lessor or Lessee, and if litigation is commenced, the prevailing party shall be entitled to recover from the other party all costs and expenses incurred in connection with such litigation, including, but not limited to, reasonable attorneys' fees and costs.

26. Confidentiality. Lessor shall not disclose to any third party the Rent payable by Lessee under this Agreement and shall treat such information as confidential, except that Lessor may disclose such information to prospective buyers, prospective or existing lenders, Lessor's affiliates and attorneys, or as may be required by law

or as may be necessary for the enforcement of Lessor's rights under this Agreement. Lessor acknowledges that the disclosure of such information to any other parties may cause Lessee irreparable harm, and in the event of such disclosure, as an additional remedy, Lessee shall have the right to terminate this Agreement upon giving thirty (30) days written notice thereof to Lessor.

(Signature Pages Follow)

IN WITNESS WHEREOF, the parties hereto have executed this OPTION AND GROUND LEASE AGREEMENT as of the dates written below.

LESSOR:

DANNY JOE WRIGHT,
married, subject to the life estate of Mary Martha Wright

By: *Danny Joe Wright*
Name: *Danny Joe Wright*
Date: *MAY 20, 2024*

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

LESSOR ACKNOWLEDGMENT

STATE OF TEXAS
~~KENTUCKY~~

COUNTY OF ANDREWS

On the 20TH day of MAY in the year 2024 before me, the undersigned, personally appeared DANNY WRIGHT, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by her/his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.



Melanie Coomer
Melanie Coomer, Notary Public
My Commission Expires: *2/21/2026*

LESSEE:

APC TOWERS IV, LLC,
a Delaware limited liability company

By: 

Name: Daniel C. Agresta III

Title: President and CEO

Date: 6/5/2024

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

LESSEE ACKNOWLEDGMENT

STATE OF NORTH CAROLINA

COUNTY OF WAKE

On the 5th day of June in the year 2024 before me, the undersigned, personally appeared Daniel C. Agresta III, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.





Talicia C. Neal, Notary Public

My Commission Expires: April 12, 2028.

EXHIBIT A

LEGAL DESCRIPTION OF REAL PROPERTY

Legal description of the Property to be provided on new Exhibit A prior to exercise of Option per Paragraph 1(c). Initials by Lessor and Lessee at the bottom of the new Exhibit A will constitute approval.

SITUATED IN THE COUNTY OF LIVINGSTON, COMMONWEALTH OF KENTUCKY:

PARCEL I:

ON THE SOUTH SIDE OF CUMBERLAND RIVER: BEGINNING ON THREE BLACK JACK IN THE LINE OF E.B. ROSS OLD SURVEY; THENCE N. 31 E. 143 POLES TO A, WHITE OAK AND THREE DOGWOODS; THENCE S. 69 E. 143 POLES TO A BLACK OAK; THENCE S. 31 W 88 POLES TO A POST OAK THENCE S 58 W. 64 POLES TO THREE POST OAKS; THENCE N 59 W. 84 POLES TO THE BEGINNING, CONTAINING 100 ACRES MORE OR LESS

PARCEL II:

BEGINNING AT A STONE IN THE LEE LINE, CORNER TO G.F. ROBERTSON AND THE OLD LEEPER LINE; THENCE NORTHWEST
WITH THE LEE LINE ABOUT 27 POLES TO A CORNER IN J.D. CLOPTON LINE, WITH SAID LINE ABOUT 14 POLES TO J.D.
CLOPTON CORNER IN THE GRAY LINE; THENCE WITH SAID LINE ABOUT 274 STEPS TO A RED OAK, ELM SAPLIN AND STONE IN SAID GRAYS LINE; THENCE SOUTH EAST STRAIGHT BY A HICKORY SAPLIN TO A SASAFRASS, ELM SAPLIN AND STONE IN LEEPER LINE; THENCE WITH SAID LINE ABOUT 258 STEPS TO THE BEGINNING, CONTAINING (11) ACRES MORE OR LESS

I HAVE HEREBY RESERVED 20 FEET ON THE NORTH SIDE.

TAX ID: 045-00-00-003.00

BEING THE SAME PROPERTY CONVEYED TO DANNY JOE WRIGHT, MARRIED, GRANTEE, FROM MARY MARTHA WRIGHT, UNMARRIED, GRANTOR, BY QUIT CLAIM DEED RECORDED 09/30/2022, IN BOOK D271, PAGE 620, OF THE LIVINGSTON COUNTY RECORDS.

NOTE: MARY MARTHA WRIGHT RESERVES A LIFE ESTATE.

EXHIBIT B

DESCRIPTION OF PREMISES

Legal description of the Premises and Easements may be provided on a new Exhibit B prior to exercise of Option per Paragraph 1(c). Initials by Lessor and Lessee at the bottom of the new Exhibit B will constitute approval thereof.



Notes:

1. This Exhibit may be replaced by a land survey and/or construction drawings of the Premises.
2. Any setback of the Premises from the Property's boundaries shall be the distance required by the applicable governmental authorities.
3. Width of access road shall be the width required by the applicable governmental authorities, including police and fire departments.

EXHIBIT C

SITE PLAN

To be verified by survey prior to Exercise of Option per Paragraph 1(c).



Notes:

1. This Exhibit may be replaced by a land survey and/or construction drawings of the Premises.
2. Any setback of the Premises from the Property's boundaries shall be the distance required by the applicable governmental authorities.
3. Width of access road shall be the width required by the applicable governmental authorities, including police and fire departments.

EXHIBIT J

**NOTIFICATION LIST
PVA RECORDS
PROOF OF NOTICE**

EV Smithland South – Notice List

045-00-00-002.01

045-00-00-002.00

LOVELESS JUSTIN & DAKOTA

970 U S HWY 60 WEST

SMITHLAND, KY 42081

045-00-00-003.00

WRIGHT MARY MARTHA

802 NW 12TH STREET

ANDREWS, TX 79714

045-00-00-005.00

KELLEY ROBERT ALLEN

& DOROTHY JO

978 U S 60 WEST

SMITHLAND, KY 42081

045-00-00-005.01

KIRKHAM PHILLIP STACY

721 CONDRA RD

SMITHLAND, KY 42081

045-00-00-005.02

CON GILMAR & MARIE

2247 SUNSET DR

PADUCAH, KY 42003-2111

045-00-00-017.00

CALENDER ANTHONY D & KIMBERLY LUCAS

643 BEAR RD

LEDBETTER, KY 42058

045-00-00-024.00

045-00-00-025.00

COTHRON THOMAS N REVOCABLE TRUST

DORIS R COTHRON REVOCABLE TRUST

P O BOX 262

SMITHLAND, KY 42081

045-01-00-015.00

EDMONDS BILLY JOE & MAGDALINE

974 U S 60 WEST

SMITHLAND, KY 42081

045-01-00-016.00
KELLEY ROBERT ALLEN
& DOROTHY JO
978 U S 60 WEST
SMITHLAND, KY 42081

045-01-00-017.00
EDMONDS JOEY LYNN
704 ARMSTRONG RD
SMITHLAND, KY 42081

045-01-00-018.00
KARR ROBERT M
111 GROVOLET
BELLE CHASSE, LA 70037

045-01-00-019.00
ARMSTRONG JEFFREY & KRISTIN MULLINS
717 CONDRA RD
SMITHLAND, KY 42081

045-01-00-019.01
KIRKHAM PHILIP S
721 CONDRA ROAD
SMITHLAND, KY 42081

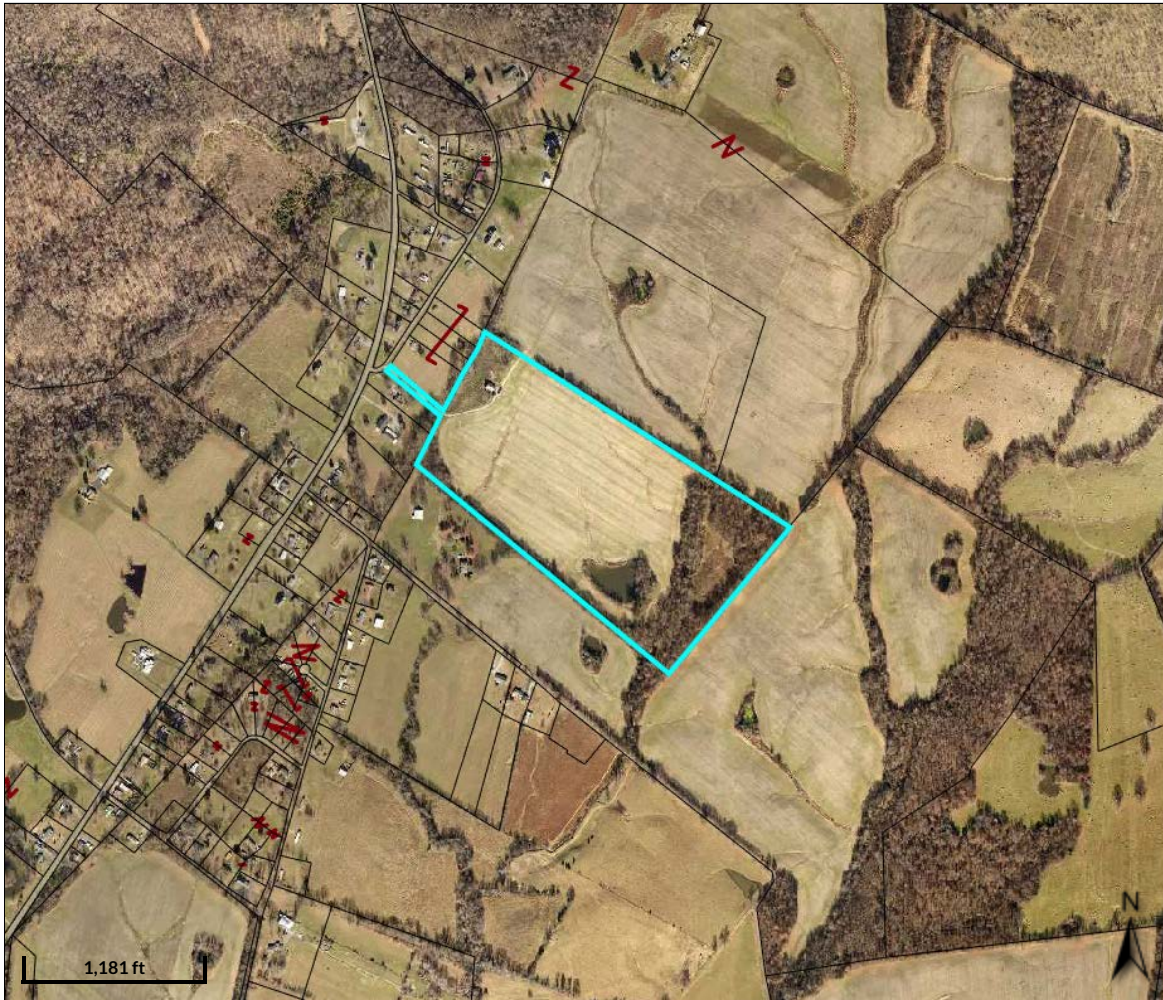
045-01-00-019.02
CHAMPION STEVE
712 ARMSTRONG RD
SMITHLAND, KY 42081

045-01-00-019.05
ARMSTRONG JEFFREY L
717 CONDRA RD
SMITHLAND, KY 42081

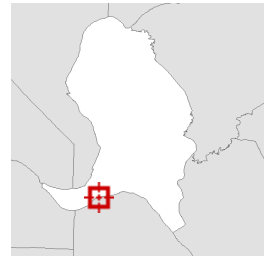
045-01-00-019.07
BALLARD JUSTIN & JESSIKA DANNIELLE
739 IUKA RD
SMITHLAND, KY 42081

045-01-00-027.02
EDMONDS JOEY L
704 ARMSTRONG RD
SMITHLAND, KY 42081-

045-00-00-001.05
MICHAEL O SMITH
DEBORAH D RAMAGE
1002 IUKA ROAD
SMITHLAND, KY 42081



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-00-00-002.00	Alternate ID	12608	Owner Address	LOVELESS JUSTIN & DAKOTA
Sec/Twp/Rng	n/a	Class	Farm		970 U S HWY 60 WEST
Property Address	THOMASON LOOP 794	Acreage	53.43		SMITHLAND, KY 42081
District	Ledbetter Fire				
Brief Tax Description	FARM				

(Note: Not to be used on legal documents)

Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM



Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

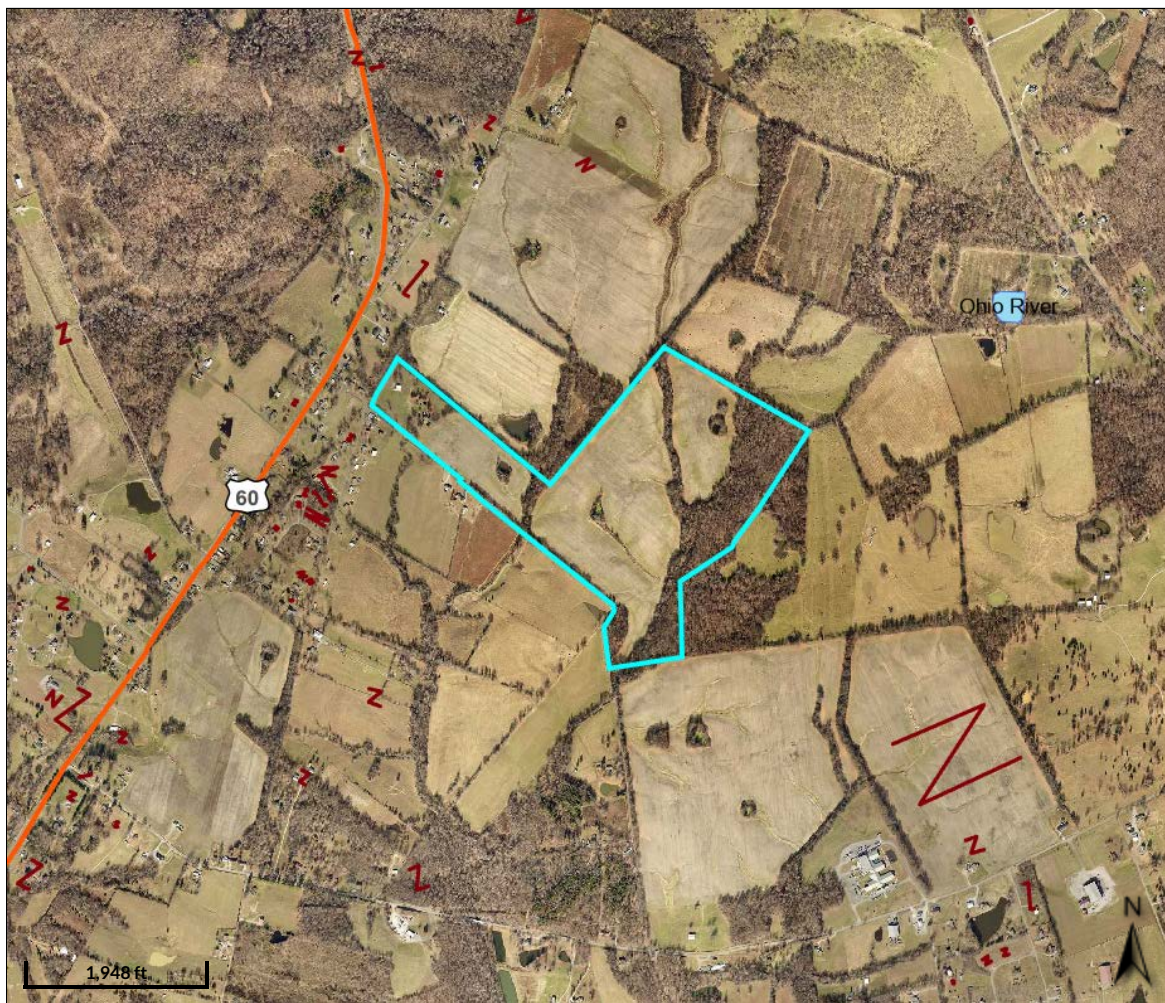
-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-00-00-002.01	Alternate ID	12607	Owner Address	LOVELESS JUSTIN & DAKOTA
Sec/Twp/Rng	n/a	Class	Residential		970 U S HWY 60 WEST
Property Address	U S 60 WEST 970	Acreage	3.39		SMITHLAND, KY 42081
District	Ledbetter Fire				
Brief Tax Description	HOUSE GARAGE & ACREAGE				
	(Note: Not to be used on legal documents)				

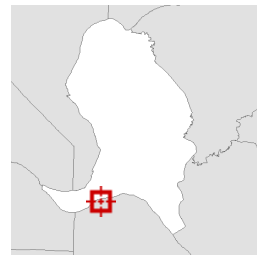
Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM




Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

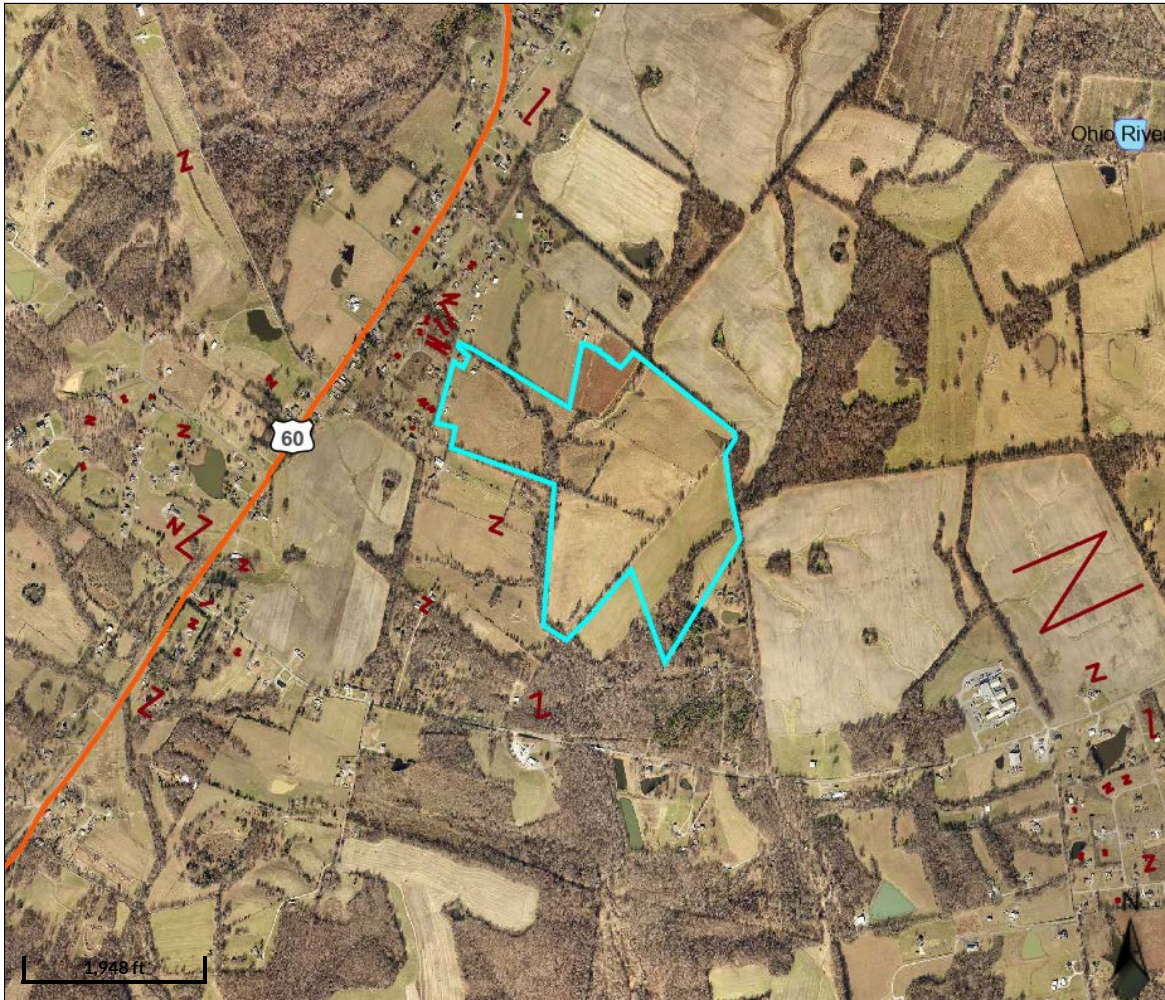
-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-00-00-003.00	Alternate ID	13766	Owner Address	WRIGHT MARY MARTHA
Sec/Twp/Rng	n/a	Class	Farm		802 NW 12TH STREET
Property Address	CONDRA RD 710	Acreage	136.0		ANDREWS, TX 79714
District	Ledbetter Fire				
Brief Tax Description	FARM & RESIDENCE				
	(Note: Not to be used on legal documents)				

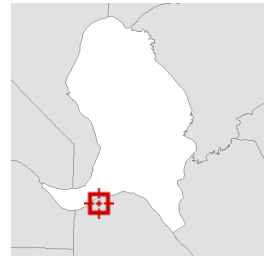
Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM



Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-00-00-005.00	Alternate ID	3980	Owner Address	KELLEY ROBERT ALLEN
Sec/Twp/Rng	n/a	Class	Farm		& DOROTHY JO
Property Address	ARMSTRONG RD 740	Acreage	144.0		978 U S 60 WEST
					SMITHLAND, KY 42081

District Ledbetter Fire

Brief Tax Description FARM ALSO DB 115-555 155-92 157-613
 (Note: Not to be used on legal documents)

Date created: 4/7/2025
 Last Data Uploaded: 4/4/2025 5:18:49 PM



Developed by  **SCHNEIDER**
 GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-00-00-005.01	Alternate ID	4064	Owner Address	KIRKHAM PHILLIP STACY
Sec/Twp/Rng	n/a	Class	Residential		721 CONDRA RD
Property Address	CONDRA RD 721	Acreage	1.14		SMITHLAND, KY 42081
District	Ledbetter Fire				
Brief Tax Description	LOT & SHOP				
	(Note: Not to be used on legal documents)				

Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM

Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

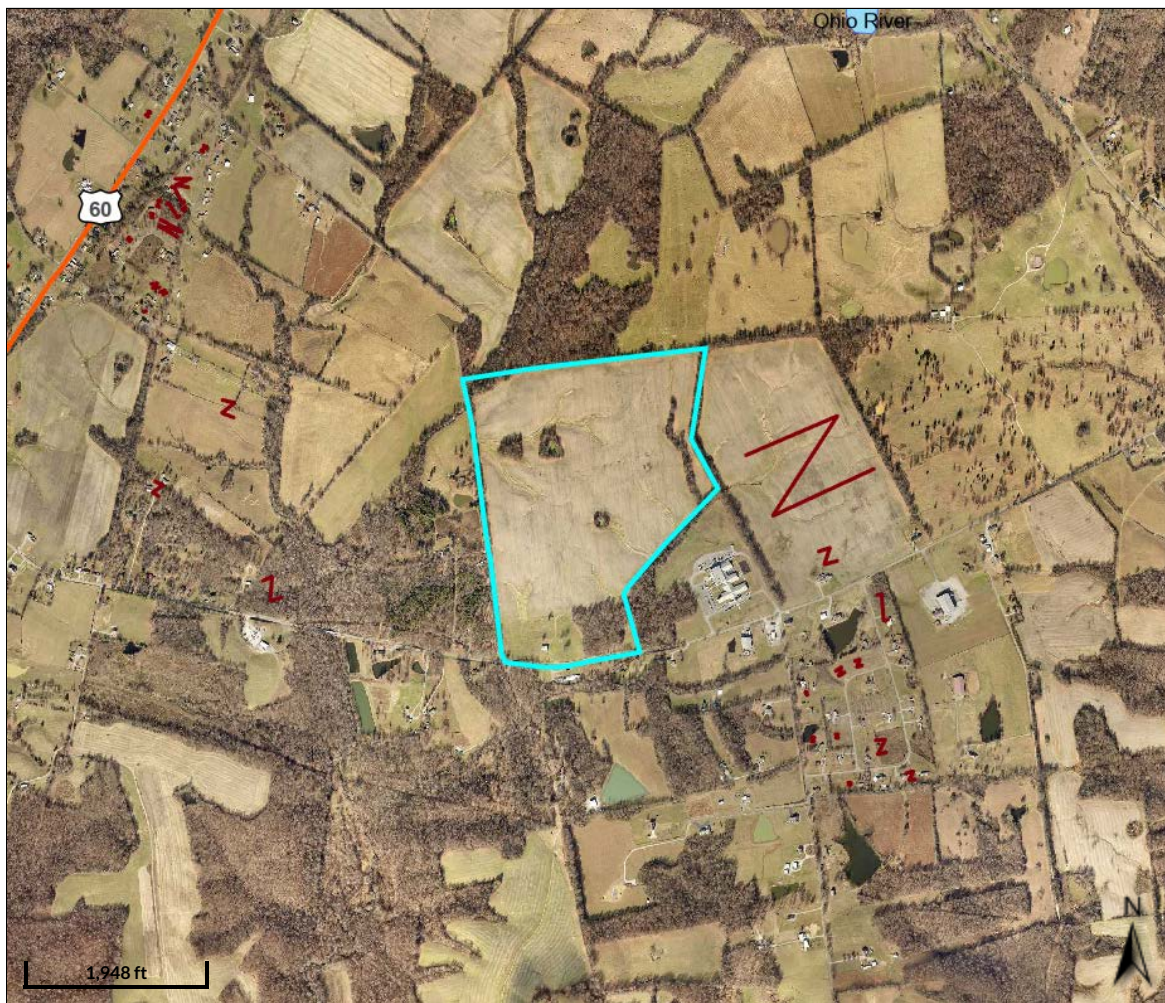
Parcel ID	045-00-00-005.02	Alternate ID	11675	Owner Address	CON GILMAR & MARIE
Sec/Twp/Rng	n/a	Class	Residential		2247 SUNSET DR
Property Address	CONDRA RD 725	Acreage	2.31		PADUCAH, KY 420032111
District	Ledbetter Fire				
Brief Tax Description	LOT				

(Note: Not to be used on legal documents)

Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM




Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

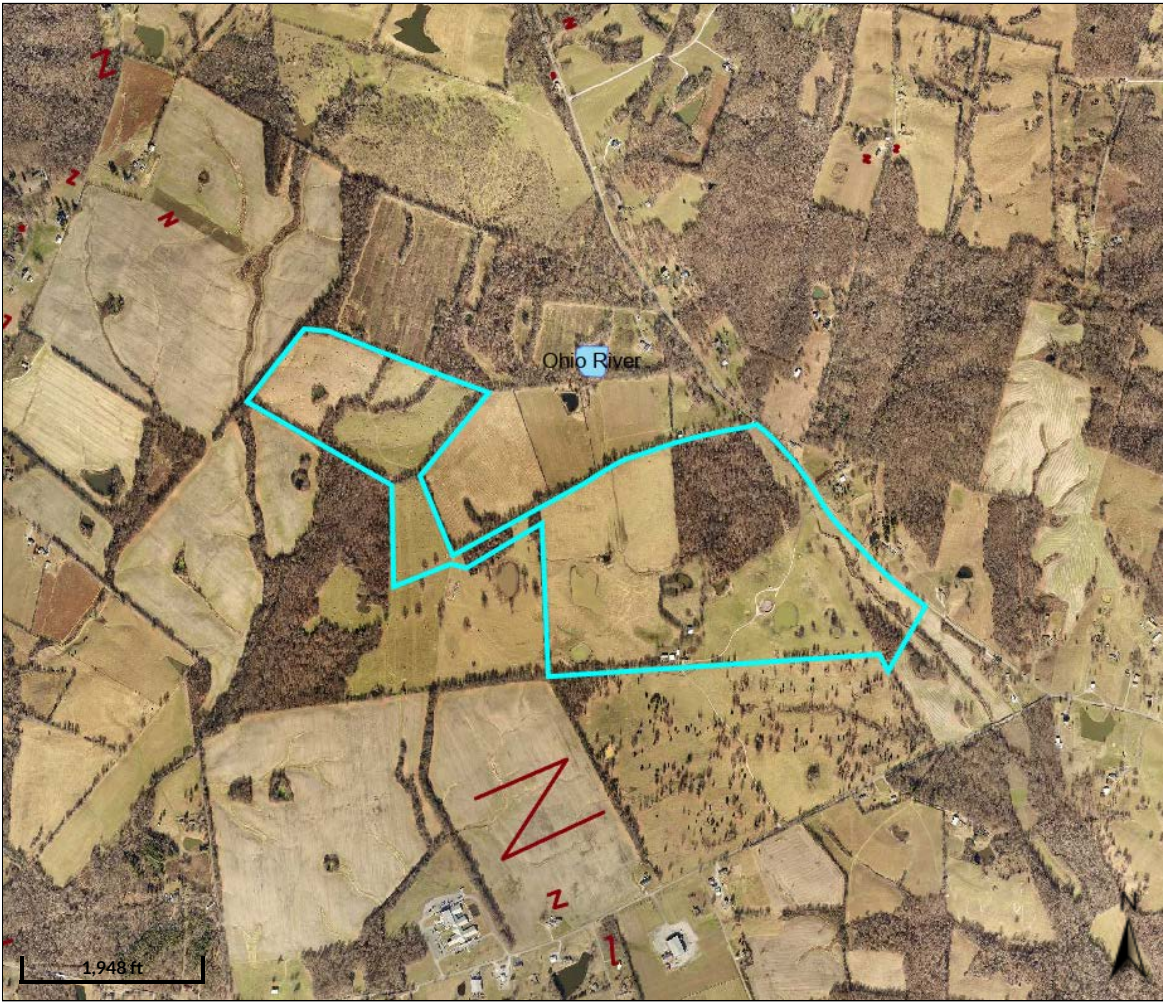
Parcel ID	045-00-00-017.00	Alternate ID	13877	Owner Address	CALENDER ANTHONY D & KIMBERLY LUCAS
Sec/Twp/Rng	n/a	Class	Farm		643 BEAR RD
Property Address	CUTOFF RD 0	Acreage	140.0		LEDBETTER, KY 42058
District	Ledbetter Fire				
Brief Tax Description	FARM				

(Note: Not to be used on legal documents)

Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM





Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-00-00-024.00	Alternate ID	1301	Owner Address	COTHRON THOMAS N REVOCABLE TRUST
Sec/Twp/Rng	n/a	Class	Farm		DORIS R COTHRON REVOCABLE TRUST
Property Address	COTHRON RD 739	Acreage	n/a		P O BOX 262
					SMITHLAND, KY 42081

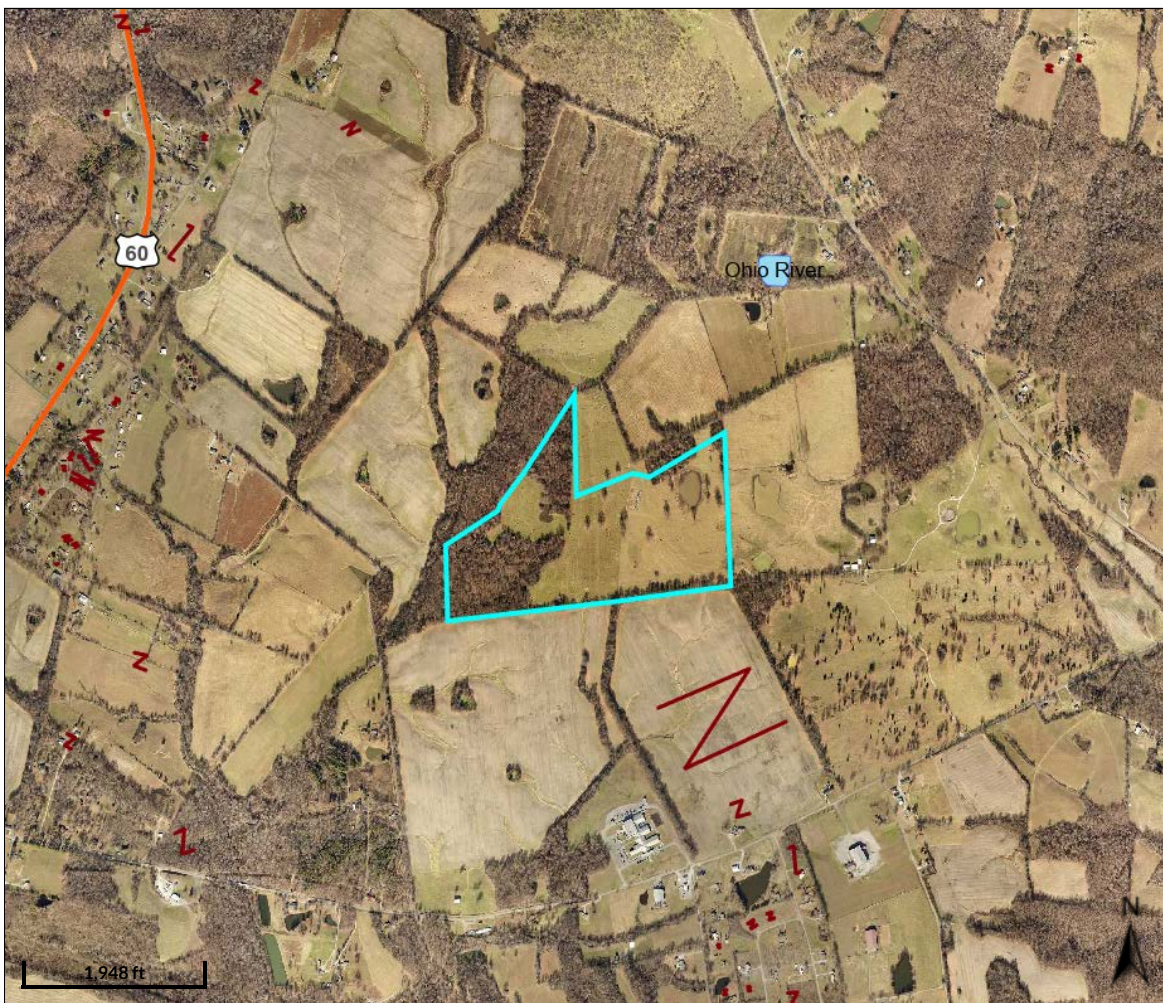
District Ledbetter Fire
Brief Tax Description FARM

(Note: Not to be used on legal documents)

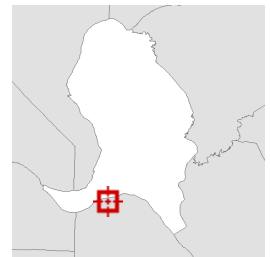
Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM

Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-00-00-025.00	Alternate ID	1303	Owner Address	COTHRON THOMAS N REVOCABLE TRUST
Sec/Twp/Rng	n/a	Class	Farm		DORIS R COTHRON REVOCABLE TRUST
Property Address	IUKA RD 0	Acreage	92.0		P O BOX 262
					SMITHLAND, KY 42081

District Ledbetter Fire
Brief Tax Description FARM

(Note: Not to be used on legal documents)

Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM





Developed by  **SCHNEIDER**
 GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-01-00-015.00	Alternate ID	2086	Owner Address	EDMONDS BILLY JOE & MAGDALINE
Sec/Twp/Rng	n/a	Class	Residential		974 U S 60 WEST
Property Address	U S 60 WEST 974	Acreage	4.5		SMITHLAND, KY 42081
District	Ledbetter Fire				
Brief Tax Description	HOUSE & LOT				
	(Note: Not to be used on legal documents)				

Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM





Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID 045-01-00-016.00
Sec/Twp/Rng n/a
Property Address U S 60 WEST 978

Alternate ID 3979
Class Residential
Acreage 0.46

Owner Address KELLEY ROBERT ALLEN
 & DOROTHY JO
 978 U S 60 WEST
 SMITHLAND, KY 42081

District Ledbetter Fire
Brief Tax Description HOUSE & LOT

(Note: Not to be used on legal documents)

Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM





Developed by  **SCHNEIDER**
 GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-01-00-017.00	Alternate ID	2104	Owner Address	EDMONDS JOEY LYNN
Sec/Twp/Rng	n/a	Class	Residential		704 ARMSTRONG RD
Property Address	ARMSTRONG RD 704	Acres	0.22		SMITHLAND, KY 42081
District	Ledbetter Fire				
Brief Tax Description	HOUSE & LOT				

(Note: Not to be used on legal documents)

Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM

Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-01-00-018.00	Alternate ID	3952	Owner Address	KARR ROBERT M
Sec/Twp/Rng	n/a	Class	Residential		111 GROVOLET
Property Address	ARMSTRONG RD 708	Acreage	0.5		BELLE CHASSE,LA 70037
District	Ledbetter Fire				
Brief Tax Description	HOUSE & LOT See Also D95-542				
	(Note: Not to be used on legal documents)				

Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM

Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-01-00-019.00	Alternate ID	15269	Owner Address	ARMSTRONG JEFFREY & KRISTIN MULLINS
Sec/Twp/Rng	n/a	Class	Residential		717 CONDRA RD
Property Address	ARMSTRONG RD 718	Acreage	12.6		SMITHLAND, KY 42081
District	Ledbetter Fire				
Brief Tax Description	RESIDENCE, SHOP & 1.9540 ACRES				
	(Note: Not to be used on legal documents)				

Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM

Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID 045-01-00-019.01

Sec/Twp/Rng n/a

Property Address CONDRA RD 721

District Ledbetter Fire

Brief Tax Description HOUSE & LOT

(Note: Not to be used on legal documents)

Alternate ID 4063

Class Residential

Acreage 0.97

Owner Address KIRKHAM PHILIP S

721 CONDRA ROAD

SMITHLAND, KY 42081

Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM





Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID 045-01-00-019.02

Sec/Twp/Rng n/a

Property Address ARMSTRONG RD 712

District Ledbetter Fire

Brief Tax Description HOUSE & LOT

(Note: Not to be used on legal documents)

Alternate ID 977

Class Residential

Acreage 0.54

Owner Address CHAMPION STEVE

712 ARMSTRONG RD

SMITHLAND, KY 42081

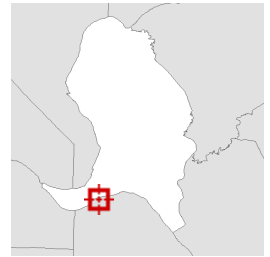
Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM

Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-01-00-019.05	Alternate ID	146	Owner Address	ARMSTRONG JEFFREY L
Sec/Twp/Rng	n/a	Class	Residential		717 CONDRA RD
Property Address	CONDRA RD 717	Acreage	1.0		SMITHLAND, KY 42081
District	Ledbetter Fire				
Brief Tax Description	2008 32X64 CONVERTED M/H & 1 ACRE				
	(Note: Not to be used on legal documents)				

Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM



Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-01-00-019.07	Alternate ID	14596	Owner Address	BALLARD JUSTIN & JESSIKA DANNIELLE
Sec/Twp/Rng	n/a	Class	Farm		739 IUKA RD
Property Address	CONDRA RD 713 / JERRY DR	Acreage	17.931		SMITHLAND, KY 42081
District	Ledbetter Fire				
Brief Tax Description	17.931 ACRES				
	(Note: Not to be used on legal documents)				

Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM





Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID	045-01-00-027.02	Alternate ID	9986	Owner Address	EDMONDS JOEY L
Sec/Twp/Rng	n/a	Class	Residential		704 ARMSTRONG RD
Property Address	ARMSTRONG RD 0	Acreage	2.007		SMITHLAND, KY 42081-
District	Ledbetter Fire				
Brief Tax Description	2.007 ACRES				
	(Note: Not to be used on legal documents)				

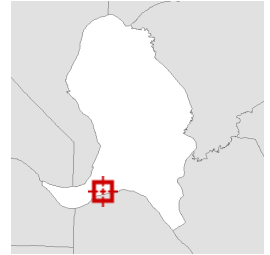
Date created: 4/7/2025

Last Data Uploaded: 4/4/2025 5:18:49 PM





Developed by  **SCHNEIDER**
GEOSPATIAL



Overview



Legend

-  Parcels
-  City Labels
-  Land Hooks
-  Water

Parcel ID 045-00-00-001.04
Sec/Twp/Rng n/a
Property Address THOMASON LOOP 0

Alternate ID 6855
Class Farm
Acreage 145.0

Owner Address SMITH MICHAEL O
 DEBORAH D RAMAGE
 1002 IUKA RD
 SMITHLAND, KY 42081

District Ledbetter Fire
Brief Tax Description FARM INCL PARCEL 1.05
 (Note: Not to be used on legal documents)

Date created: 4/24/2025
 Last Data Uploaded: 4/23/2025 5:21:53 PM

Developed by  **SCHNEIDER**
 GEOSPATIAL

9589 0710 5270 1676 7795 70

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Postmark Here

CHAMPION STEVE
712 ARMSTRONG RD
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7795 87

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Postmark Here

KIRKHAM PHILIP S
721 CONDRA ROAD
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7796 48

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Postmark Here

BALLARD JUSTIN & JESSIKA
DANNIELLE
739 IUKA RD
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7795 63

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Postmark Here

ARMSTRONG JEFFREY L
717 CONDRA RD
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7796 24

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Postmark Here

MICHAEL O SMITH
DEBORAH D RAMAGE
1002 IUKA ROAD
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7796 31

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Postmark Here

EDMONDS JOEY L
704 ARMSTRONG RD
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7794 95

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$☐ Return Receipt (electronic) \$☐ Certified Mail Restricted Delivery \$☐ Adult Signature Required \$☐ Adult Signature Restricted Delivery \$

Postage

EDMONDS BILLY JOE &
MAGDALINE
974 U S 60 WEST
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7794 88

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$☐ Return Receipt (electronic) \$☐ Certified Mail Restricted Delivery \$☐ Adult Signature Required \$☐ Adult Signature Restricted Delivery \$

Postage

COTHRON THOMAS N REVOCABLE
TRUST
DORIS R COTHRON REVOCABLE TRUST
P O BOX 262
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7793 89

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$☐ Return Receipt (electronic) \$☐ Certified Mail Restricted Delivery \$☐ Adult Signature Required \$☐ Adult Signature Restricted Delivery \$

Postage

EDMONDS JOEY LYNN
704 ARMSTRONG RD
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7795 01

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$☐ Return Receipt (electronic) \$☐ Certified Mail Restricted Delivery \$☐ Adult Signature Required \$☐ Adult Signature Restricted Delivery \$

Postage

KELLEY ROBERT ALLEN
& DOROTHY JO
978 U S 60 WEST
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7795 94

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$☐ Return Receipt (electronic) \$☐ Certified Mail Restricted Delivery \$☐ Adult Signature Required \$☐ Adult Signature Restricted Delivery \$

Postage

ARMSTRONG JEFFREY & KRISTIN
MULLINS
717 CONDRA RD
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7796 00

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$☐ Return Receipt (electronic) \$☐ Certified Mail Restricted Delivery \$☐ Adult Signature Required \$☐ Adult Signature Restricted Delivery \$

Postage

KARR ROBERT M
111 GROVOLET
BELLE CHASSE, LA 70037

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7795 49

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage

WRIGHT MARY MARTHA
802 NW 12TH STREET
ANDREWS, TX 79714

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7795 32

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage

LOVELESS JUSTIN & DAKOTA
970 U S HWY 60 WEST
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7794 57

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage

KIRKHAM PHILLIP STACY
721 CONDRA RD
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7795 56

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage

KELLEY ROBERT ALLEN
& DOROTHY JO
978 U S 60 WEST
SMITHLAND, KY 42081

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7794 71

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage

CALENDER ANTHONY D &
KIMBERLY LUCAS
643 BEAR RD
LEDBETTER, KY 42058

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7794 64

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Po

CON GILMAR & MARIE
2247 SUNSET DR
PADUCAH, KY 42003-2111

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

LOVELESS JUSTIN & DAKOTA
970 U S HWY 60 WEST
SMITHLAND, KY 42081



9590 9402 7926 2305 8915 94

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7795 32

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☒ Agent
☒ Addressee

B. Received by (Printed Name)

Dakota Loveless

C. Date of Delivery

4/11/25

 D. Is delivery address different from item 1? ☐ Yes
 If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

WRIGHT MARY MARTHA
802 NW 12TH STREET
ANDREWS, TX 79714



9590 9402 7926 2305 8915 87

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7795 49

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☒ Agent
☐ Addressee

B. Received by (Printed Name)

Mary Wright

C. Date of Delivery

4-15

 D. Is delivery address different from item 1? ☐ Yes
 If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

KELLEY, CBERT ALLEN
& DOROTHY JO
978 U S 60 WEST
SMITHLAND, KY 42081



9590 9402 7926 2305 8917 92

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7795 01

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

 D. Is delivery address different from item 1? ☐ Yes
 If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

KIRKHAM PHILLIP STACY
721 CONDRA RD
SMITHLAND, KY 42081



9590 9402 7926 2305 8915 63

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7794 57

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

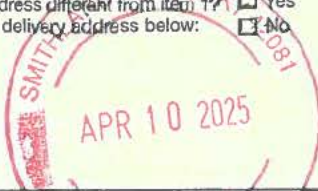
A. Signature

X *Stacy Kirkham*☐ Agent☐ Addressee

B. Received by (Printed Name)

STACY KIRKHAM

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

3. Service Type

☐ Adult Signature☐ Adult Signature Restricted Delivery☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery☐ Collect on Delivery Restricted Delivery☐ Insured Mail☐ Insured Mail Restricted Delivery (over \$500)☐ Priority Mail Express®☐ Registered Mail™☒ Registered Mail Restricted Delivery☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CALENDER ANTHONY D &
KIMBERLY LUCAS
643 BEAR RD
LEDBETTER, KY 42058



9590 9402 7926 2305 8915 49

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7794 71

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Anthony Calender*☐ Agent☒ Addressee

B. Received by (Printed Name)

Anthony Calender

C. Date of Delivery

4/11/25

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☐ Adult Signature☐ Adult Signature Restricted Delivery☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery☐ Collect on Delivery Restricted Delivery☐ Insured Mail☐ Insured Mail Restricted Delivery (over \$500)☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

COTHRON THOMAS N REVOCABLE
TRUST
DORIS R COTHRON REVOCABLE TRUST
P O BOX 262
SMITHLAND, KY 42081



9590 9402 7926 2305 8915 32

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7794 88

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Tom Cotron*☐ Agent☐ Addressee

B. Received by (Printed Name)

TOM COTHRON

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☐ Adult Signature☐ Adult Signature Restricted Delivery☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery☐ Collect on Delivery Restricted Delivery☐ Insured Mail☐ Insured Mail Restricted Delivery (over \$500)☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

EDMONDS BILLY JOE &
MAGDALINE
974 U S 60 WEST
SMITHLAND, KY 42081



9590 9402 7926 2305 8915 25

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7794 95

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Billy Joe Edmonds* ☐ Agent
☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

4-10-25

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)

- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

KELLEY ROBERT ALLEN
& DOROTHY JO
978 U S 60 WEST
SMITHLAND, KY 42081



9590 9402 7926 2305 8915 70

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7795 56

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Robert Allen Kelley* ☐ Agent
☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)

- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

EDMONDS JOEY LYNN
704 ARMSTRONG RD
SMITHLAND, KY 42081



9590 9402 7926 2305 8917 85

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7793 89

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Joey Edmonds* ☐ Agent
☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

JOEY EDMONDS

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)

- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

KARR ROBERT M
111 GROVOLET
BELLE CHASSE, LA 70037



9590 9402 7926 2305 8916 31

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7796 00

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

4/15/2025

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)

- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

ARMSTRONG JEFFREY & KRISTIN
MULLINS
717 CONDRA RD
SMITHLAND, KY 42081



9590 9402 7926 2305 8916 48

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7795 94

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

4-10-25

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)

- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

KIRKHAM PHILIP S
721 CONDRA ROAD
SMITHLAND, KY 42081



9590 9402 7926 2305 8916 55

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7795 87

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

Stacy Kio Khan

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)

- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CHAMPION STEVE
712 ARMSTRONG RD
SMITHLAND, KY 42081



9590 9402 7926 2305 8916 62

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7795 70

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Signature] ☒ Agent
☐ Addressee

B. Received by (Printed Name)

Champion

C. Date of Delivery

4/11/25

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)

- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

ARMSTRONG JEFFREY L
717 CONLARA RD
SMITHLAND, KY 42081



9590 9402 7926 2305 8916 79

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7795 63

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Signature] ☒ Agent
☐ Addressee

B. Received by (Printed Name)

Jeffrey L Armstrong

C. Date of Delivery

4-10-25

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)

- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

EDMONDS JOEY L
704 ARMSTRONG RD
SMITHLAND, KY 42081



9590 9402 7926 2305 8916 93

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7796 31

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Signature] ☐ Agent
☐ Addressee

B. Received by (Printed Name)

JOEY EDMONDS

C. Date of Delivery

APR 10 2025

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)

- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

MICHAEL C SMITH
DEBORAH D RAMAGE
1002 IUKA ROAD
SMITHLAND, KY 42081



9590 9402 7926 2305 8917 09

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7796 24

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x *Michael Smith*☐ Agent☒ Addressee

B. Received by (Printed Name)

Michael Smith

C. Date of Delivery

4/11/25

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☐ Adult Signature☐ Adult Signature Restricted Delivery☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery☐ Collect on Delivery Restricted Delivery☐ Insured Mail☐ Insured Mail Restricted Delivery (over \$500)☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

Tracking Number:

Remove X

9589071052701676779464

Copy Add to Informed Delivery (<https://informedelivery.usps.com/>)



Latest Update

Your item was picked up at the post office at 3:44 pm on April 15, 2025 in PADUCAH, KY 42003.

Get More Out of USPS Tracking:

USPS Tracking Plus[®]

Delivered

Delivered, Individual Picked Up at Post Office

PADUCAH, KY 42003

April 15, 2025, 3:44 pm

See All Tracking History

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Feedback

Text & Email Updates



USPS Tracking Plus[®]



Product Information



See Less ^

Track Another Package

Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

FAQs

Tracking Number:

Remove X

9589071052701676779648

Copy Add to Informed Delivery (<https://informedelivery.usps.com/>)



Latest Update

This is a reminder to arrange for redelivery of your item or your item will be returned to sender.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivery Attempt

Reminder to Schedule Redelivery of your item

April 15, 2025

Notice Left (No Secure Location Available)

SMITHLAND, KY 42081
April 10, 2025, 9:37 am

See All Tracking History

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



USPS Tracking Plus®



Product Information



See Less ^

Track Another Package

Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

FAQs

EXHIBIT K

COPY OF PROPERTY OWNER NOTIFICATION



PIKE LEGAL GROUP PLLC
1578 Highway 44 East, Unit 6
PO Box 369
Shepherdsville, KY 40165-0369
Phone: 502-955-4400
Fax: 502-543-4410

VIA CERTIFIED MAIL

Notice of Proposed Construction of Wireless Communications Facility

Dear Landowner:

APC Towers IV, LLC, a Delaware limited liability company, and Cellco Partnership, a Delaware general partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at Condra Road, Smithland, KY 42081 (37° 05' 47.91" North latitude, 88° 24' 00.36" West longitude). The proposed facility will include a 255-foot tower with a 5-foot lightning arrestor attached at the top for a total height of 260-feet, plus related ground facilities. This facility is needed to provide improved service for wireless communications in the area.

This notice is being sent to you because the County Property Valuation Administrator's records indicate that you may own property that is within a 500' radius of the proposed tower site or contiguous to the property on which the tower is to be constructed. You have a right to submit testimony to the PSC, either in writing or to request intervention in the PSC's proceedings on the application. You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2025-00115 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Verizon Wireless radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us toll free at (800) 516-4293 if you have any comments or questions about this proposal. The Applicant site name is EV Smithland South.

Sincerely,
David A. Pike
Attorney for Applicant

enclosures



LOCATION MAP

LOCATION MAP PROVIDED
BY BING MAPS



AERIAL MAP

AERIAL MAP PROVIDED
BY GOOGLE EARTH

EXHIBIT L

COPY OF COUNTY JUDGE/EXECUTIVE NOTICE



PIKE LEGAL GROUP PLLC
1578 Highway 44 East, Unit 6
PO Box 369
Shepherdsville, KY 40165-0369
Phone: 502-955-4400
Fax: 502-543-4410

VIA CERTIFIED MAIL

Michael Williams, Judge/Executive
335 Court Street
Smithland, KY 42081

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2025-00115

Dear Judge/Executive:

APC Towers IV, LLC, a Delaware limited liability company, and Cellco Partnership, a Delaware general partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at Condra Road, Smithland, KY 42081 (37° 05' 47.91" North latitude, 88° 24' 00.36" West longitude). The proposed facility will include a 255-foot tower with a 5-foot lightning arrestor attached at the top for a total height of 260-feet, plus related ground facilities. This facility is needed to provide improved service for wireless communications in the area.

You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2025-00115 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Verizon Wireless' radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us with any comments or questions you may have. The Applicant site name is EV Smithland South.

Sincerely,
David A. Pike
Attorney for Applicant
enclosures



LOCATION MAP

LOCATION MAP PROVIDED
BY BING MAPS



AERIAL MAP

AERIAL MAP PROVIDED
BY GOOGLE EARTH

U.S. Postal Service
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only
 For delivery information, visit our website at www.usps.com®

9589 0710 5270 1676 7793 96

Michael Williams, Judge/Executive
 335 Court Street
 Smithland, KY 4208

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> X <i>Stephen S. Smith</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>S. Smith</i></p> <p>C. Date of Delivery <i>APR 10 2025</i></p> <p>D. Is delivery address different from item 1? If YES, enter delivery address below: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>1. Article Addressed to: Michael Williams, Judge/Executive 335 Court Street Smithland, KY 4208</p>	<p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</p> <p><input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>
<p>2. Article Number (Transfer from service label) 9589 0710 5270 1676 7793 96</p>	<p>PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt</p>

EXHIBIT M

**COPY OF POSTED NOTICES,
NEWSPAPER NOTICE ADVERTISEMENT TEAR SHEET
AND AFFIDAVIT**

SITE NAME: EV SMITHLAND SOUTH
NOTICE SIGNS

The signs are at least (2) feet by four (4) feet in size, of durable material, with the text printed in black letters at least one (1) inch in height against a white background, except for the word “**tower**,” which is at least four (4) inches in height.

APC Towers IV, LLC, a Delaware limited liability company, and Cellco Partnership d/b/a Verizon Wireless propose to construct a telecommunications **tower** on this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2025-00115 in your correspondence.

APC Towers IV, LLC, a Delaware limited liability company, and Cellco Partnership d/b/a Verizon Wireless propose to construct a telecommunications **tower** near this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2025-00115 in your correspondence.

KPI National Quilt Issue Coming April 18-25

NOTICE

APC Towers IV LLC, a Delaware limited liability company, and Cello Partnership, a Delaware general partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") for approval to construct a new communications facility located at Condra Road, Smithland, KY 42081 (37° 05' 47.91" North latitude, 88° 24' 00.36" West longitude). You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2025-00115 in any correspondence sent in connection with this matter.

Advertisement for Bids

Sealed bids for the following equipment and installation will be received by Grand Rivers Water & Sewer System, 155 W. Cumberland Ave., Grand Rivers, Ky. 42045, until 10:00 A.M. local time on April 21, 2025. Immediately following the scheduled closing time for the reception of bids, all bids that have been submitted will be publicly opened and read aloud.

The work to be bid is described as follows:

A hybrid type automatic meter reading system. Bid for 1500 customers (meters) that is compatible with our existing software. Pricing to show unit prices on each part of the system. Meters to be priced are 3/4 x 5/8 residential type meters. Also a unit price for 1", 2", 3", and 4" meters shall be included in the bid. Meters can be either ultrasonic or mechanical, bidder can show both types in bid including the cost difference.

If the bidder has the ability to perform the installation of the meters, the price for doing this should be in the bid, but listed separately as an option for the water system, and the unit price per meter installation shown.

The Grand Rivers Water & Sewer System reserves the right to reject any and all bids, and will consider the best bid based on best expected performance along with best price.

Grand Rivers Water & Sewer System
Honorable Mayor
Tom Moodie

NOTICE

Fiduciary appointments have been made by the Livingston District Court as follows:

Case No. 25-P-00011 appointed Shellye L. Conger, 116 Dogwood Drive Marion, KY 42064, Executrix for the Estate of Larry Curtis Yarbrough, deceased, 114 Lola Road, Salem, KY 42078, on February 20, 2025. Attorney for the Estate Hon. Robert B. Frazer, Frazer Law Office, P.O. Box 361, 200 South Main Street, Marion, KY 42064.

Case No. 25-P-00013 appointed Sean D. Thompson, 6860 Stonepoint Court, Paducah, KY 42003, Administrator for the Estate of Shelton Bonard Thompson, deceased, 281 Lodge Road, Apartment 304, Ledbetter, KY 42058, on February 20, 2025.

Case No. 25-P-00014 appointed Kevin Wring, 856 Pinckneyville Road, Salem, KY 42078, Administrator for the Estate of Clara Marlene Wring, deceased, 131 South Church Street, Salem, KY 42078, on February 20, 2025.

Case No. 25-P-00018 appointed Vickie Tracy, 731 Mt. Zion Road, Smithland, KY 42081, Executrix for the Estate of Mamie G. Jones, deceased, 731 Mt. Zion Road, Smithland, KY 42081, on February 26, 2025. Attorney for the Estate Morgan A. Wiggins, esq., Wilson & Toombs, PLLC, 100 WK&T Technology Drive, #402, P.O. Box 708, Mayfield, KY 42066.

Case No. 25-P-00008 appointed Jeremy M. Vale, 2383 Middle Creek Road, Otto, North Carolina 28763, Ancillary Administrator for the Estate of Brenda G. Vale, deceased, 1937 Golfside Village Drive, Lehigh Acres, Florida 33972, on January 30, 2025. Attorney for the Estate Hon. Jason G. Howell, The Law Offices of Jason G. Howell, PLLC, 301 North 12th Street, Suite F, Murray, KY 42071.

Case No. 25-P-00009 appointed Kenneth Joiner, 751 Vanhosen Road, Grand Rivers, KY 42045, as Administrator for the Estate of Joey Rust Joiner, deceased, 738 Rappolee Road, Burma, KY 42028 on February 4, 2025.

Case No. 25-P-00025 appointed Daniel Jackson Stoner, 1910 Brown Mines Road, Marion, KY 42064, as Administrator for the Estate of Daniel L. Stoner, deceased, 737 Baker Road, Salem, KY 42078, on March 25, 2025. Attorney for the Estate Hon. Rebecca J. Johnson, 217 West Belleville, P.O. Box 415, Marion, KY 42064.

Case No. 25-P-00010 appointed Lenora Foster, 2601 State Route 37, Salem, IL 62881, as Ancillary Administrator for the Estate of Charles Kent Foster III, deceased, 2601 State Route 37, Salem, IL 62881, on March 19, 2025. Attorney for the Estate Hon. Holly M. Homra, Denton Law Firm PLLC, P.O. Box 959, Paducah, KY 42002-0969.

Case No. 25-P-00021 appointed Jennifer S. West, 1450 Culp Road, Paducah, KY 42003, as Executrix for the Estate of Janice K. Copeland, deceased, 697 Cherokee Drive, Ledbetter, KY 42058, on March 25, 2025. Attorney for the Estate Hon. Whitney Engler Riley, 1634 Broadway, P.O. Box 1655, Paducah, KY 42002-1655.

All persons having claims against said estates are notified to present them to the Fiduciary verified according to law not later than six (6) months from date of qualification of personal representative. This the 31st day of March, 2025.

DEBBIE HARP KNOTT, CLERK
Livingston District Court

NOTICE

On or about March 28, 2025, Ledbetter Water District will file an application with the Kentucky Public Service Commission to adjust its monthly rates for water service. Ledbetter Water District's application will be filed pursuant to the procedures set forth in 807 KAR 5:076. Under those procedures, the proposed rates may not be placed into effect until the Kentucky Public Service Commission has issued an order approving the proposed rates or six (6) months from the date of the filing of the application, whichever occurs first.

Ledbetter Water District proposes the following rates for water service:

CURRENT AND PROPOSED RATES								
Current Rates		Proposed Rates			Change (Increase/Decrease)	Change (%)		
All Meter Sizes		All Meter Sizes						
Customer Charge	\$ 7.74	Minimum Bill	Fee	2.00	\$ 9.74	Minimum Bill	\$ 1.92	24.81%
Fee	15.00	0.00114 per gallon	New	4.00	0.00891 per gallon		\$ 6.0017	24.79%
Over	15.00	0.0048 per gallon	New	45.00	0.0042 per gallon		\$ 0.0018	24.79%

If the Public Service Commission approves the proposed water rate, the increase in a customer's monthly bill will be:

Customer	Average Usage (gals)	Monthly Bill at Current Rates	Monthly Bill at Proposed Rates	Monthly Bill Increase (%)
All Meter Sizes	3,000	\$ 29.16	\$ 36.39	24.79%

The Kentucky Public Service Commission has established Case No. 2025-00081 to review Ledbetter Water District's application. Any person may examine this application at Ledbetter Sewer District's office, 1483 US HWY 60 W, Ledbetter, Kentucky, Monday through Friday, 8:00 a.m. to 4:00 p.m., or at the Kentucky Public Service Commission's offices at 211 Sower Boulevard, Frankfort, Kentucky, Monday through Friday, 8:00 a.m. to 4:30 p.m., or through the Public Service Commission's Web site at <https://psc.ky.gov/Case/ViewCaseFilings/2025-00081>.

Comments regarding the application may be submitted to the Kentucky Public Service Commission through the Commission's Web Site at <https://psc.ky.gov/Case/SearchCasesPublicComments> or by e-mail to psc@dsc.ky.gov or by mail to the Public Service Commission, P.O. Box 615, Frankfort, Kentucky 40602.

The rates contained in this notice are the rates proposed by Ledbetter Water District. However, the Kentucky Public Service Commission may order rates to be charged that differ from the proposed rates. Such action may result in rates for consumers other than the rates in this notice.

A person may submit a timely written request for intervention to the Kentucky Public Service Commission, P.O. Box 615, Frankfort, Kentucky 40602, establishing the grounds for the request including the person's status and interest. If the Kentucky Public Service Commission does not receive a written request for intervention within thirty (30) days of the initial publication of notice, it may take final action on the proposed rates.

Ledbetter Water District

NOTICE

On or about March 28, 2025, Ledbetter Sewer District will file an application with the Kentucky Public Service Commission to adjust its monthly rates for sewer service. Ledbetter Sewer District's application will be filed pursuant to the procedures set forth in 807 KAR 5:076. Under those procedures, the proposed rates may not be placed into effect until the Kentucky Public Service Commission has issued an order approving the proposed rates or six (6) months from the date of the filing of the application, whichever occurs first.

Ledbetter Sewer District proposes the following rates for sewer service:

CURRENT AND PROPOSED RATES									
Current Rates		Proposed Rates		Change (Increase/Decrease)					
All Customers		All Customers							
Fee	2.00	\$ 10.34	Minimum Bill	Fee	2.00	\$ 4.03	Minimum Bill	\$ 8.03	19.35%
Over	1.00	\$ 4.579	per gallon	Over	2.00	\$ 4.540	per gallon	\$ 0.0041	25.34%
Unmetered Customers		Unmetered Customers							
Per Month		\$ 120.61		Per Month		\$ 121.96		\$ 1.35	11.20%

If the Public Service Commission approves the proposed sewer rate, the increase in a customer's monthly bill will be:

Customer	Average Usage (gals)	Monthly Bill at Current Rates	Monthly Bill at Proposed Rates	Monthly Bill Increase (%)
All Customers	3,000	\$ 60.01	\$ 71.29	18.60%
Unmetered Customers	Per Month	\$ 100.61	\$ 121.96	21.22%

The Kentucky Public Service Commission has established Case No. 2025-00082 to review Ledbetter Sewer District's application. Any person may examine this application at Ledbetter Sewer District's office, 1483 US HWY 60 W, Ledbetter, Kentucky, Monday through Friday, 8:00 a.m. to 4:00 p.m., or at the Kentucky Public Service Commission's offices at 211 Sower Boulevard, Frankfort, Kentucky, Monday through Friday, 8:00 a.m. to 4:30 p.m., or through the Public Service Commission's Web site at <https://psc.ky.gov/Case/ViewCaseFilings/2025-00082>.

Comments regarding the application may be submitted to the Kentucky Public Service Commission through the Commission's Web Site at <https://psc.ky.gov/Case/SearchCasesPublicComments> or by e-mail to psc@dsc.ky.gov or by mail to the Public Service Commission, P.O. Box 615, Frankfort, Kentucky 40602.

The rates contained in this notice are the rates proposed by Ledbetter Sewer District. However, the Kentucky Public Service Commission may order rates to be charged that differ from the proposed rates. Such action may result in rates for consumers other than the rates in this notice.

A person may submit a timely written request for intervention to the Kentucky Public Service Commission, P.O. Box 615, Frankfort, Kentucky 40602, establishing the grounds for the request including the person's status and interest. If the Kentucky Public Service Commission does not receive a written request for intervention within thirty (30) days of the initial publication of notice, it may take final action on the proposed rates.

Ledbetter Sewer District



National Quilt Iss

NOTICE

APC Towers IV, LLC, a Delaware limited liability company, and Cellco Partnership, a Delaware general partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") for approval to construct a new communications facility located at Condra Road, Smithland, KY 42081 (37° 05' 47.91" North latitude, 88° 24' 00.36"

West longitude). You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2025-00115 in any correspondence sent in connection with this matter.

KENTUCKY PUBLISHING INC
Indiana Newspaper Group
1540 MC CRACKEN BLVD
PADUCAH, KY 42001
61-1199269

Prescribed by State Board of Accounts

General Form No. 99P (Rev. 2009)

..... PIKE LEGAL GROUP, PLLC
(Governmental Unit)
RE: TOWERS _ LIVINGSTON

PIKE LEGAL GROUP, PLLC
ACCTS PAYABLE
PO BOX 369
SHEPHERDSVILLE, KY 40165

INV: 5107212

PUBLISHER'S AFFIDAVIT

AD IN THE LIVINGSTON LEDGER

PUBLIC NOTICE - TOWERS

\$90.00

LEGAL ADVERTISING IN THE LIVINGSTON LEDGER
3 COLUMN X 2.5 INCH AD

LEGAL NOTICE
TEARSHEET & AFFIDAVIT

\$90.00
\$10.00

Amount due

\$0.00
\$100.00

Pursuant to the provisions and penalties of IC 5-11-10-1, I hereby certify that the foregoing account is just and correct, that the amount claimed is legally due, after allowing all just credits, and that no part of the same has been paid.

I also certify that the printed matter attached hereto is a true copy, of the same column width and type size, which was duly published in said paper The dates of publication being as follows:

..... 11-Apr-25

PUBLISHER'S SIGNATURE

..... PUBLIC NOTICE - TOWERS /

Teresa LeNeave

Teresa LeNeave
Expires July 2027

Date 11-Apr-25

Notary: TERESA LENEAVE, ACCOUNTING DEPT

EXHIBIT N

COPY OF RADIO FREQUENCY DESIGN SEARCH AREA

SR: EV Smithland South

Radius: 0.25 mile

837.0966961, -88.4026041

0.25 mile

Google Earth

Image © 2025 Airbus

1000 ft

N

